

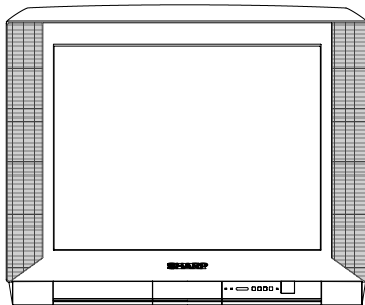
**SHARP®****SERVICE MANUAL**

SEJB72GF66E00

Issued: 21st May 2001

**DA-100W CHASSIS**

PAL SYSTEM COLOUR TELEVISION



# MODEL

# **72GF-66E**<sub>DE/ES/GG/IT/CH</sub>

In the interests of user safety (required by safety regulations in some countries) the set should be restored to its original condition and only parts identical to those specified should be used.

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**SHARP CORPORATION**

This document has been published to be used for after sales service only.



## ELECTRICAL SPECIFICATIONS

- Power Input ..... 220V-240 Volts AC 50Hz
- Power Consumption
  - Normal Operation .....110W
  - Stand-by Operation .....1W
- Audio Power Output Rating (MPO) / Impedance
  - Internal Left Speaker.....15W (MPO)
  - Internal Right Speaker.....15W (MPO)
  - Internal Centre Speaker.....15W (MPO)
  - Internal Subwoofer.....20W (MPO)
- Speakers
  - Left / Right.....7Ω 12W, 6 x 12cm
  - Centre .....7Ω 12W, 6 x 12 cm
  - Subwoofer.....4.5Ω 20W, 11cm Round
- Convergence
  - Static (Centre) ..... between any two colours
  - Dynamic ..... after static equals zero
- Focus ..... High Bi-Potential Electrostatic
- Sweep Deflection ..... Magnetic
- White Level
 

Set brightness control to get total picture tube cathode current of 600 microampere under no signal condition. Maximum necessary correction of each picture tube cathode current to get 8550 degrees K+1 MPCD screen temperature should not exceed 15% of its original value.

**X=0.290      Y=0.300**
- Picture Intermediate frequency
  - L'.....33.9MHz
  - L, B/G, D/K, I.....38.9MHz
- Sound Carrier Trap
  - L'.....40.4MHz
  - L, D/K.....32.4MHz
  - B/G.....33.4MHz
  - I.....32.9MHz
- Adjacent Sound Carrier Trap
  - L'.....32.4MHz
  - L, D/K, B/G.....40.4MHz
  - I.....40.9MHz
- Adjacent Picture Carrier Trap
  - L'.....41.9MHz
  - L, D/K, I.....30.9MHz
  - B/G.....31.9MHz
- Aerial Input Impedance
  - VHF/UHF ..... 75 ohm Unbalanced
- Tuning Ranges .... 48.25 MHz thru 855.25 MHz
  - VHF: E2-E12 CH, F2-F10, IR A-IR J CH
  - S1-S41 CH (Hiperband)
  - UHF: E21-E69 CH, I21-I69 CH

Specifications are subject to change without prior notice.

### EN 61000-3-2

In order to comply with the European Norm 61000-3-2 regarding Electromagnetic compatibility (EMC) on every TV set manufactured from January 2001.

On TV set manufactured before the above date (Serial Number 801022 or previous), this modification is not required.

### MODEL DESTINATION & DIFFERENCES.

**72GF-66EDE:** Germany, Austria. Particular Operation Manual.

**72GF-66EES:** Spain. Particular Operation Manual.

**72GF-66EGG:** Greece. No Operation Manual from Factory. Particular EPROM.

**72GF-66EIT:** Italy. Particular Operation Manual.

**72GF-66ECH:** Switzerland. Particular Operation Manual.

### WARNING

The chassis in this receiver is partially hot. Use an isolation transformer between the line cord plug and power receptacle, when servicing this chassis.

To prevent electric shock, do not remove cover. No user-serviceable parts inside. Refer servicing to qualified service personnel.

# IMPORTANT SERVICING NOTES

Only qualified service personnel are allowed to carry out maintenance and repair of this receiver.

## SERVICING OF HIGH VOLTAGE SYSTEM AND CRT

It is important that the static charge is removed from the high voltage system when carrying out work on the receiver. This can be achieved by connecting a 10K resistor (with a suitably insulated lead) from the CRT cavity connector to the CRT ground tag. This must be carried out with the AC supply disconnected from the receiver.

Note the following:

- The CRT in this receiver employs Integral Implosion Protection.
- If the CRT has to be changed it **MUST** be replaced with the correct type for continued safe working
- **DO NOT** lift the CRT by its neck.
- When handling the CRT, ensure that shatterproof goggles are worn.
- Ensure that the CRT is discharge before handling.

## X-RAY

This receiver is designed to keep any x-ray emission to an absolute minimum. Some fault conditions and servicing procedures may produce potentially hazardous x-ray radiation levels. This is a problem when in close proximity to the receiver for long periods of time. To reduce any risks associated with this, please observe the following precautions:

1. When undertaking any servicing on this chassis, **DO NOT** increase the EHT to more than 33 KV, (at a instantaneous beam current of 1800 $\mu$ A).
2. Ensure that during normal operation the EHT does not exceed 32KV $\pm$ 1KV (at a beam current of 1300 $\mu$ A). This level has been preset in the factory. Always check that this level has not been exceeded after carrying out any repair on the receiver.
3. **DO NOT** replace the CRT with any other type than that specified in the parts listing as this may cause excessive x-ray radiation.

## BEFORE RETURNING THE RECEIVER TO THE CUSTOMER

In addition to the above checks, the following should also be carried out before returning the receiver to the customer.

1. Inspect all the leads to ensure that they are dressed correctly and that they are not obstructed or pinched by any other parts.
2. Ensure that all protective devices are in good condition. These will include nonmetallic control knobs, insulating fish papers, cabinets backs, compartment covers or shields, mechanical insulators, etc.

## ADJUSTMENT PROCEDURES

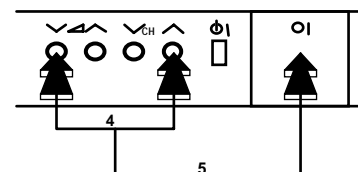
All adjustments to this chassis, except for focus, are carried out in the service mode.

### • SERVICE MODE

The service mode is provided to enable the engineer to correctly set up the receiver to the CRT fitted in the set. Note that these adjustments may vary from one receiver to another.

To enter the service mode, carry out the following procedure.

1. Connect a test pattern to the antenna terminal.
2. Tune the receiver to this signal.
3. Turn the receiver off using the mains switch.
4. Press volume down and channel up buttons on the front of the receiver at the same time.
5. Keeping these buttons pressed, turn the mains on.
6. When the set starts up it will be in service mode.
7. Release the two buttons.



- Use the channel up and down buttons to move between the options.
- Use the volume control buttons to change the data.
- To store the data, use the stand-by button on the remote control.
- To exit the service mode, turn the receiver off using the mains switch.

When the service mode is entered the following On Screen Display appears

-SERVICE SOFTWARE AND HEXADECIMAL COUNTER DISPLAY:  
SW ON XXXX SW OFF XXXX HOURS ON XXXX

The figures displayed in the XXXX locations are hexadecimal representations of the number of times that particular function has been executed. For example if the hexadecimal number displayed after SW ON was 0E4A, this would correspond to the receiver being turned on 3658 times.

### Adjustment menu:

The following adjustments can be carried out in the service mode.

- Horizontal Shift
- East West Width
- Pin Phase
- Pin Amp
- Upper corner correction
- Lower corner correction
- Vertical Linearity
- Vertical angle
- Vertical bow
- Vertical Amplitude
- S Correction
- Vertical Shift
- Red Gain
- Green Gain
- Blue Gain
- Red Cut Off
- Green Cut Off
- Blue Cut Off
- Alter NVM Page
- Alter NVM Position
- Alter NVM Value
- Teletext Mix Mode Contrast
- Teletext Contrast
- OSD Contrast
- DVCO Adjustment (Only PAL)
- DVCO Adjustment (Only NTSC)
- Luma chroma delay
- AGC Adjustment
- AFT Adjustment (BG-I-L)
- AFT Adjustment (L')
- OPC Value
- Auto Installation On/Off

### Geometry Adjustments

All geometry adjustments are based on an internally generated test pattern as shown in figure 1. When carrying out any of the above geometry adjustments, use the internally generated test pattern for guidance.

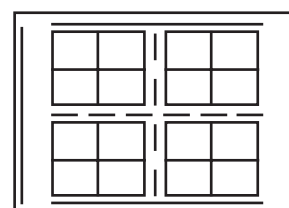


Fig.1

The following geometry adjustments can be carried out. Detailed instructions on how to execute these are given on the following pages

### Horizontal

- Horizontal Shift
- E-W Width
- Pin Phase
- Pin Amp
- Upper Corner Amplitude
- Lower Corner Symmetry

### Vertical

- Vertical Amplitude
- S Correction
- Vertical Shift
- Vertical Linearity
- Vertical angle
- Vertical bow

Just in case the TV set requires a full geometries adjustment, please proceed first with Vertical according to the above order, and after that, adjust Horizontal according to the above order.

#### Horizontal Shift

Adjust the horizontal shift so that the picture is centred.  
The effect of this adjustment is shown in figure 2.

- When the volume up button is pressed, the picture moves to the left.
- When the volume down button is pressed, the picture moves to the right.
- Press the stand-by button on the remote control to store.

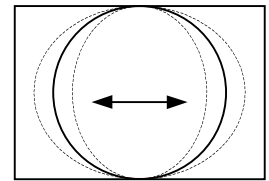


Fig.2

#### E-W Width

Adjust the E-W Width so that 9% over-scan is achieved.  
The effect of this adjustment is shown in figure 3.

- When the volume up button is pressed, horizontal scanning increases.
- When the volume down button is pressed, horizontal scanning decreases.
- Press the stand-by button on the remote control to store.

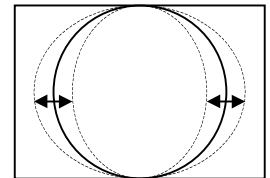


Fig.3

#### Pin Phase

Adjust the Pin Phase so that the picture is symmetrical top and bottom.  
The effect of this adjustment is shown in figure 4.

- When the volume up button is pressed, side pincushion changes.
- When the volume down button is pressed, side pincushion changes.
- Press the stand-by button on the remote control to store.

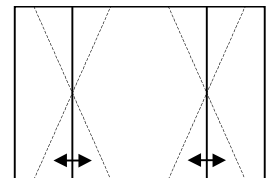


Fig.4

#### Pin Amp

Adjust the Pin Amplitude so that the picture is centred.  
The effect of this adjustment is shown in figure 5.

- When the volume up button is pressed, side pincushion changes from pincushion to barrel shape.
- When the volume down button is pressed, side pincushion changes from pincushion to barrel shape.
- Press the stand-by button on the remote control to store.

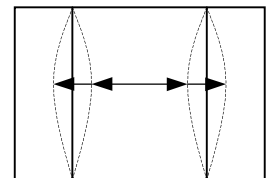


Fig.5

#### Upper Corner Correction

Adjust the Upper Corner Correction so that the picture is centred.  
The effect of this adjustment is shown in figure 6.

- When the volume up button is pressed, side pincushion changes from pincushion to barrel shape.
- When the volume down button is pressed, side pincushion changes from pincushion to barrel shape.
- Press the stand-by button on the remote control to store.

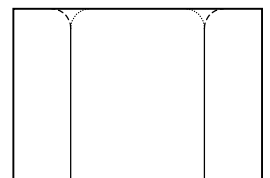


Fig.6

### Lower Corner Correction

Adjust the Lower Corner Correction so that the picture is centred.  
The effect of this adjustment is shown in figure 7.

- When the volume up button is pressed, side pincushion changes from pincushion to barrel shape.
- When the volume down button is pressed, side pincushion changes from pincushion to barrel shape.
- Press the stand-by button on the remote control to store.

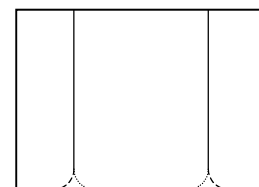


Fig.7

### Vertical Linearity

Adjust the Vertical Linearity so that the upper and lower parts of the picture are symmetrical.  
The effect of this adjustment is shown in figure 8.

- When the volume up button is pressed, the upper picture scanning decreases and the lower picture scanning increases.
- When the volume down button is pressed, the upper picture scanning increases and the lower picture scanning decreases.
- Press the stand-by button on the remote control to store.

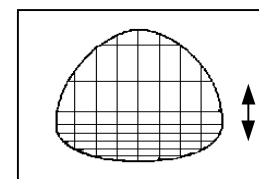


Fig.8

### Vertical Angle

Adjust the Vertical Amplitude so that the picture is centred.  
The effect of this adjustment is shown in figure 9

- When the volume up button is pressed, the vertical angle changes to right.
- When the volume down button is pressed, the vertical angle changes to left.
- Press the stand-by button on the remote control to store.

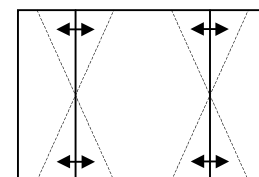


Fig.9

### Vertical Bow

Adjust the Vertical Bow so that the picture is centred.  
The effect of this adjustment is shown in figure 10

- When the volume up button is pressed, the vertical bow changes to right.
- When the volume down button is pressed, the vertical bow changes to left.
- Press the stand-by button on the remote control to store.

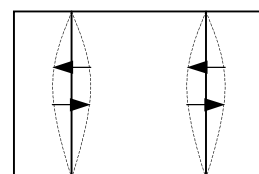


Fig.10

### Vertical Amplitude

Adjust the Vertical Amplitude so that the picture is over-scanned.  
The effect of this adjustment is shown in figure 11.

- When the volume up button is pressed, the vertical size of the picture increases.
- When the volume down button is pressed, the vertical size of the picture decreases.
- Press the stand-by button on the remote control to store.

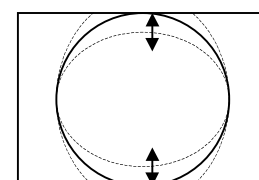


Fig.11

### S Correction

Adjust the S Correction so that the picture symmetrical between the top, centre and bottom.  
The effect of this adjustment is shown in figure 12.

- When the volume up button is pressed, the top and bottom scanning increases and the centre scanning decreases.

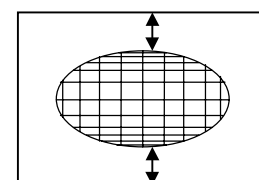


Fig.12

- When the volume down button is pressed the top and bottom scanning decreases and the centre scanning increases.
- Press the stand-by button on the remote control to store.

### Vertical Shift

Adjust the Vertical Shift so that the picture is centred.  
The effect of this adjustment is shown in figure 13.

- When the volume up button is pressed, the picture moves up.
- When the volume down button is pressed, the picture moves down.
- Press the stand-by button on the remote control to store.

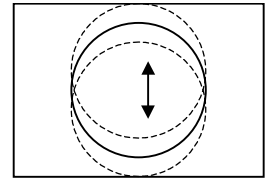


Fig.13

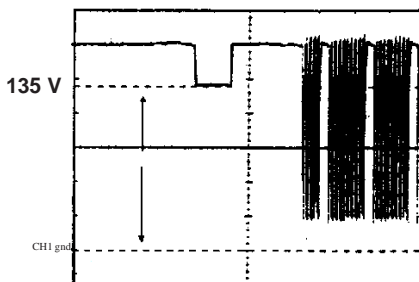
### Colour Adjustments

The following adjustments should only be carried out when the CRT, IC801 or IC801 are replaced.

#### G2, Cut Off and Gain Adjustments

##### 1. Follow the procedure below to set the G2

- 1.1 Tune the set to the output of a signal generator (cross hatch pattern).
- 1.2 In the user menu, set contrast to 80/100 and brightness to 40/100.
- 1.3 Connect the oscilloscope to the red cathode and adjust G2 to read 135V on the sensor pulse as in the drawing:



#### NOTE:

Oscilloscope should be adjusted for vertical TV field trigger and synchronized with video signal.

##### 2. Follow the procedure below to set the Cut Off.

- 2.1 Adjust G2.
- 2.2 Tune a white card.
- 2.3 Adjust colour to minimum.
- 2.4 Position colorimeter in the centre of screen.
- 2.5 Adjust brightness and contrast to obtain a luminance of  $\approx 20$  NITS.
- 2.6 Operate in Service Mode and select location RED CUT OFF, GREEN CUT OFF and BLUE CUT OFF, to obtain colour coordinates:

$$X=0.290 \pm 0.015 \quad Y=0.300 \pm 0.015$$

To increase press volume-up button and to decrease press volume down button.

|               |                               |
|---------------|-------------------------------|
| RED CUT OFF   | alter «X» coordinate.         |
| GREEN CUT OFF | alter «Y» coordinate.         |
| BLUE CUT OFF  | alter «X» and «Y» coordinate. |

##### 3. Follow the procedure below to set the GAIN.

- 3.1 Using brightness and contrast buttons, select a luminance of  $\approx 120$  NITS.
- 3.2 Operate in Service Mode and select location RED GAIN, GREEN GAIN and BLUE GAIN, to obtain colour coordinates:

$$X=0.290 \pm 0.015 \quad Y=0.300 \pm 0.015$$

To increase press volume-up button and to decrease press volume down button.

|               |                               |
|---------------|-------------------------------|
| RED CUT OFF   | alter «X» coordinate.         |
| GREEN CUT OFF | alter «Y» coordinate.         |
| BLUE CUT OFF  | alter «X» and «Y» coordinate. |

- 3.3 Exit Service Mode and check colour coordinates «X» and «Y» at 20 and 120 NITS. It may be necessary to repeat procedure 2 and 3 of Colour Adjustments.

### Changing NVM Data

To change the data contained within the Non Volatile Memory, it is necessary to first select the page the data is stored in, then the position and finally to change the data itself. The procedure below outlines this process.

1. While on ALTER NVM PAGE, use the volume up/down buttons to change this data (data is shown in hexadecimal format).
2. Press the channel up button and ALTER NVM POSITION appears, use the volume up/down buttons to change this data (data is shown in hexadecimal format).
3. Press the channel up button and ALTER NVM VALUE appears, use the volume up/down buttons to change this data (data is shown in hexadecimal format).



4. Once this data has been set, press the standby button to store.
5. If another NVM value has to be changed, use the channel down button to select the page or position and repeat as necessary.

**Note:**

**DO NOT** change any NVM data, unless you have been advised to do so by a Sharp representative. If data is incorrectly changed, serious damage may occur to the receiver.

**Contrast Adjustments**

Three types of contrast levels can be varied as listed below:

- TELETEXT MIX MODE CONTRAST
- TELETEXT CONTRAST
- OSD CONTRAST

Use the volume up/down buttons to adjust to a suitable level, then press the standby button to store.

**DVCO Adjustment (PAL)**

Carry out the DVCO Adjustment (PAL) as shown below:

1. Receive a Phillips pattern signal.
2. While in the DVCO ADJUSTMENT (PAL) menu, press the standby button.
3. The adjustment will be carried out automatically and stored.

**DVCO Adjustment (NTSC)**

No adjustment required.

**Auto Installation On/Off**

To return the receiver to the original Auto Installation mode, using the volume up or down button, set the Auto Installation On/Off to On. This setting is automatically stored and when the receiver is turned on the next time it will start up in Auto Installation mode.

**AGC Adjustment**

To correctly align the Automatic Gain Control, follow the procedure outlined below:

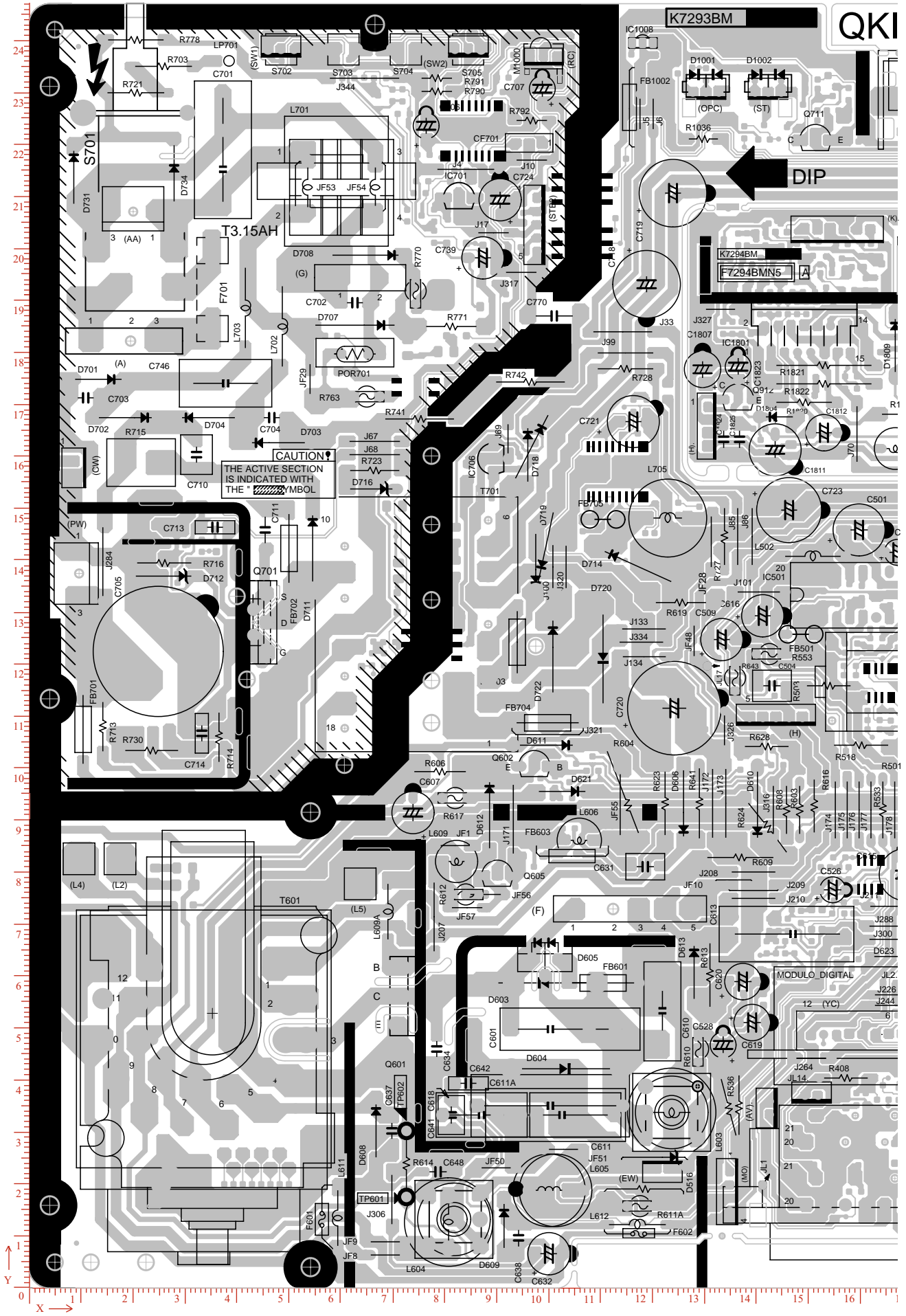
1. Tune the set into a pattern generator on CH10.
2. Adjust the signal strength of the pattern generator to 57uV
3. Enter the service mode.
4. Enter the AGC Adjustment menu.
5. Press the standby button on the remote control.
6. The adjustment will be carried out and stored automatically.

**AFT Adjustment**

To correctly align the Automatic Fine Tune, follow the procedure outlined below:

1. Tune the set into a pattern generator on CH69.
2. Enter the service mode.
3. Enter the AFT Adjustment menu.
4. Press the standby button on the remote control.
5. The adjustment will be carried out and stored automatically.

MOTHER UNIT PRINTED WIRING BOARD (F7293N5A). Component side.



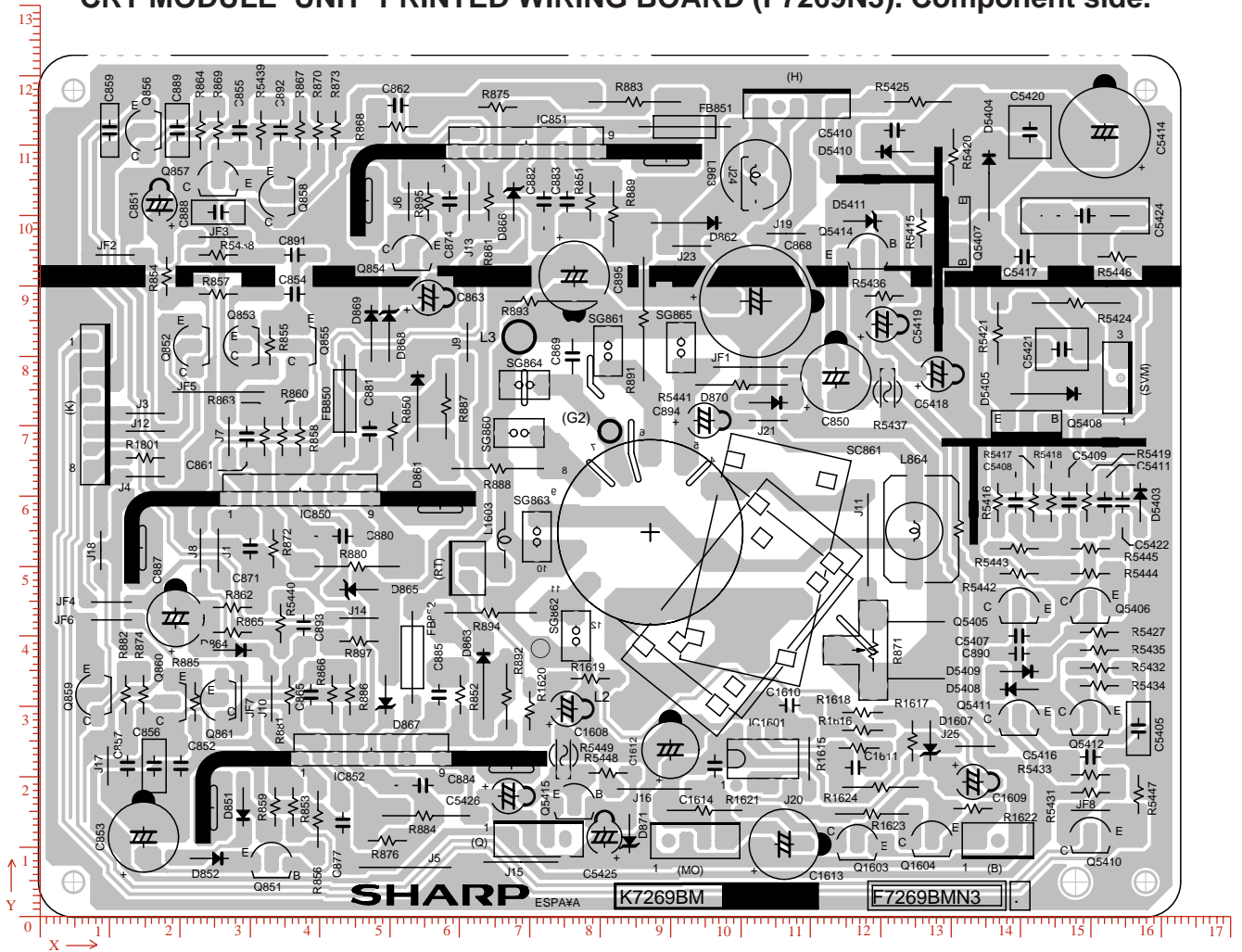




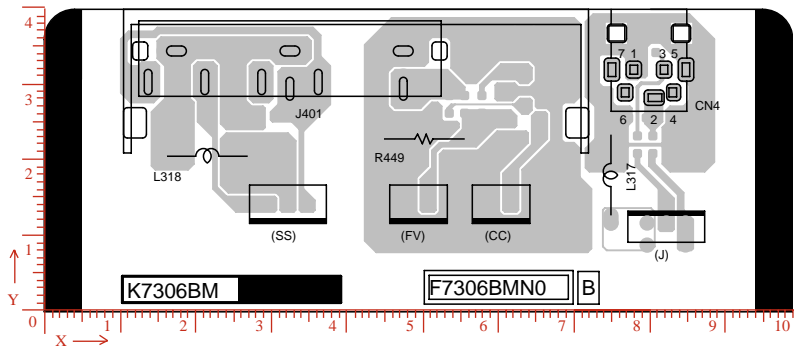




**CRT MODULE UNIT PRINTED WIRING BOARD (F7269N3). Component side.**



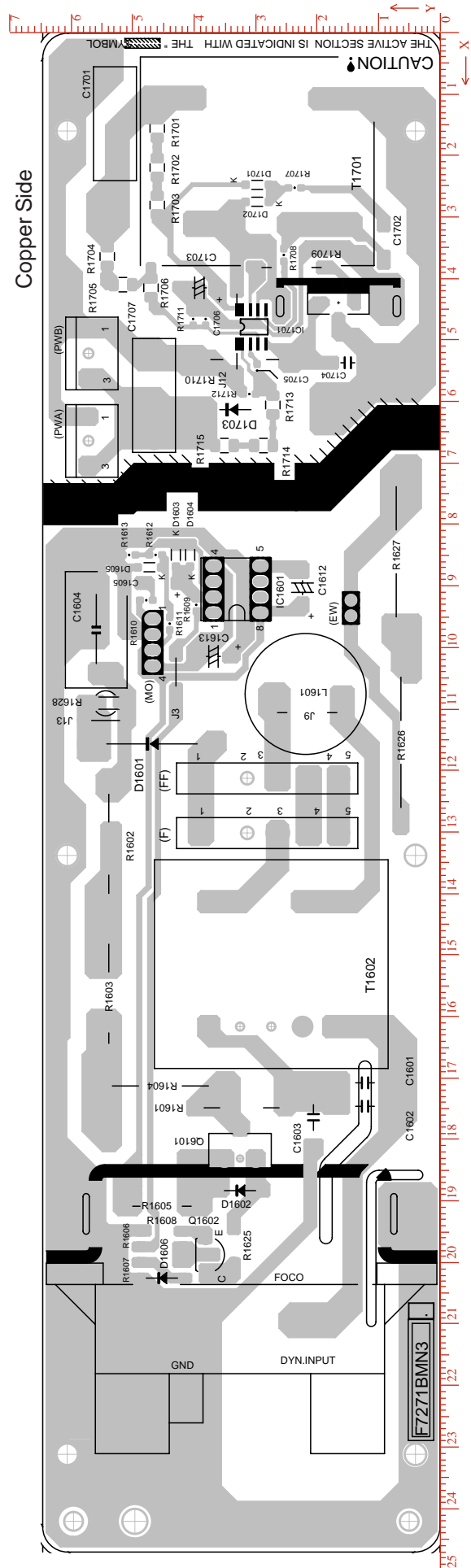
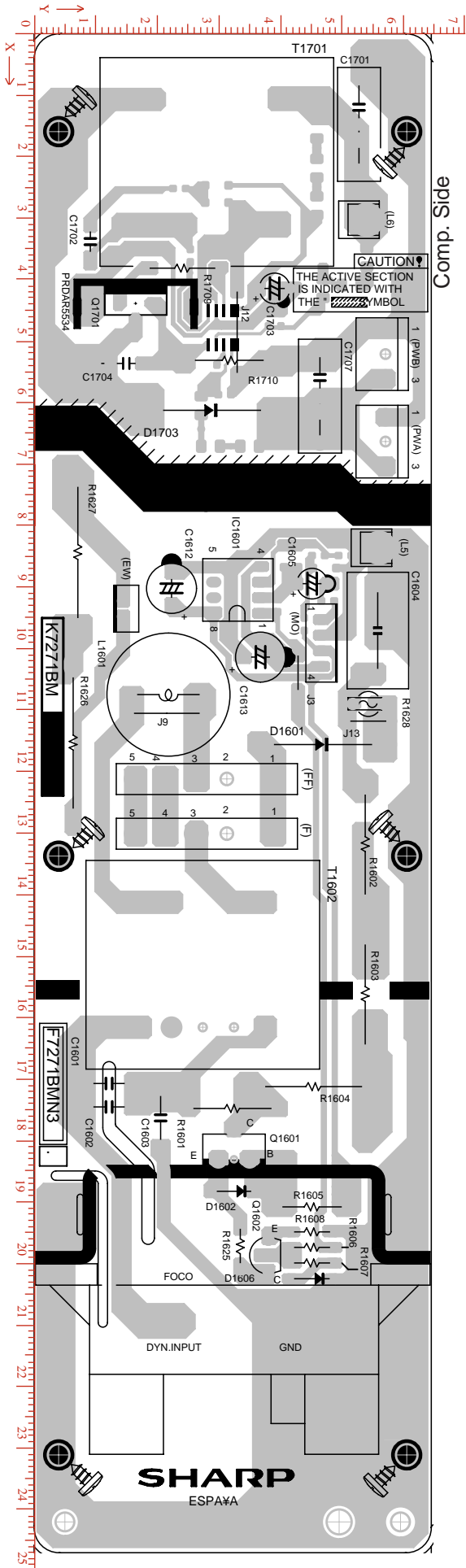
**FRONT A/V UNIT PRINTED WIRING BOARD. (F7306N0B). Component side.**





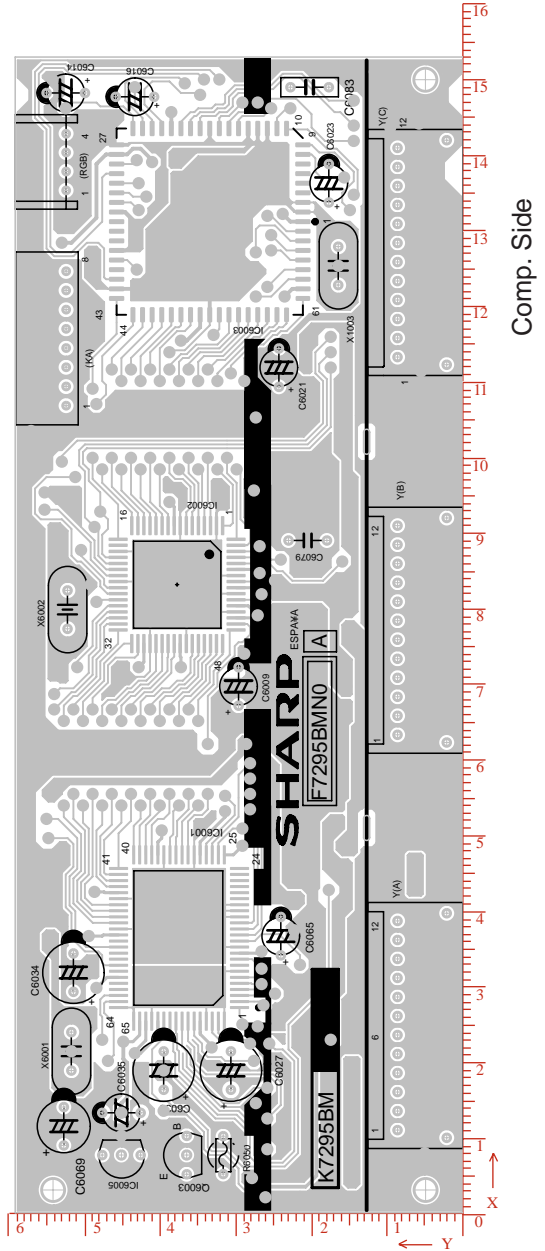
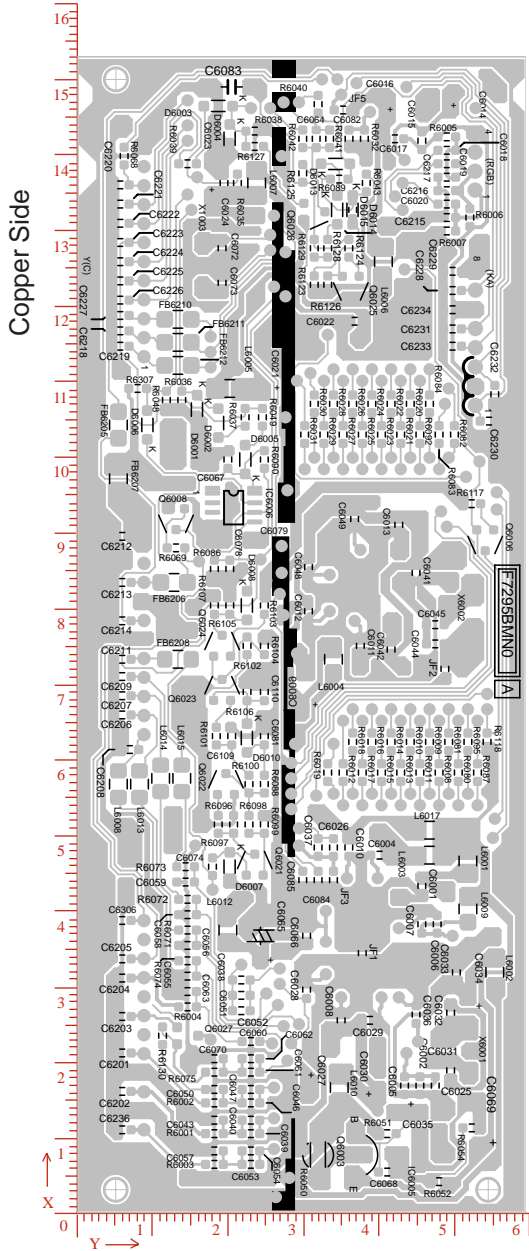


DINAMIC FOCUS UNIT PRINTED WIRING BOARDS (F7271N3).



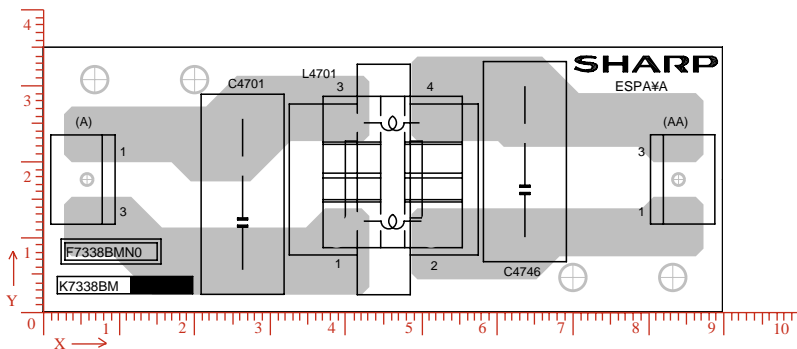


DIGITAL MODULE UNIT PRINTED WIRING BOARDS (F7295NOA).



LINE FILTER UNIT (F7338NO).  
PRINTED WIRING BOARD.

LOCATION PARTS TABLE.

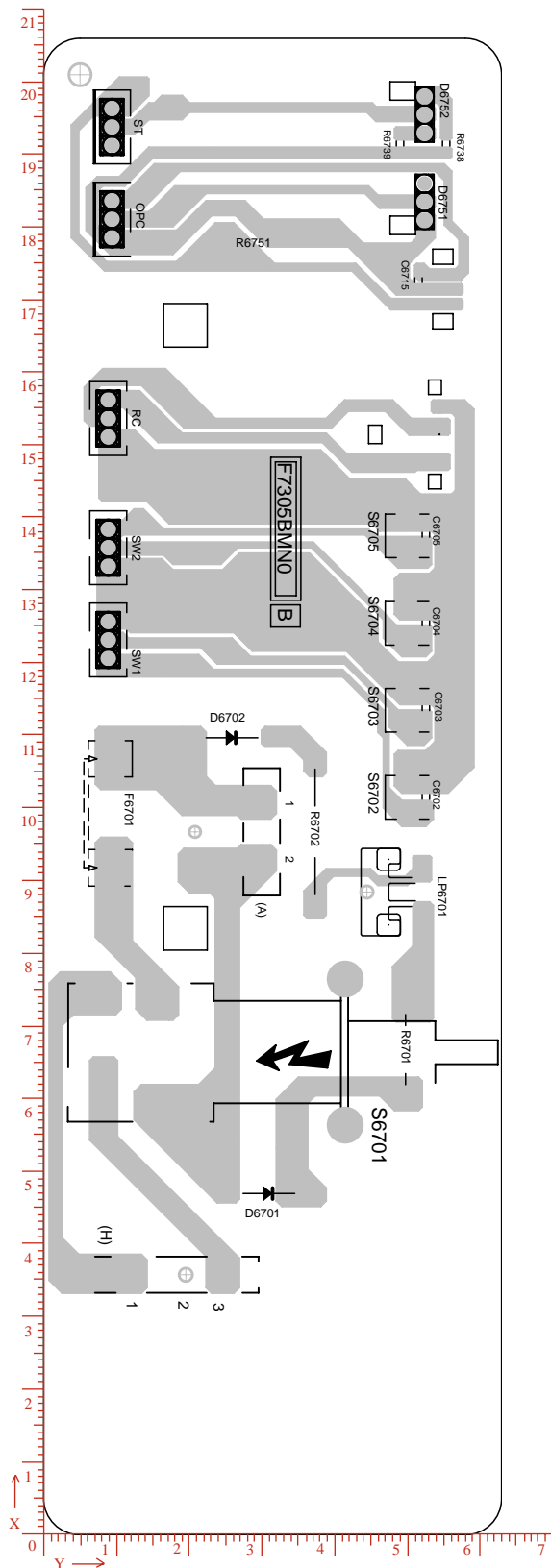
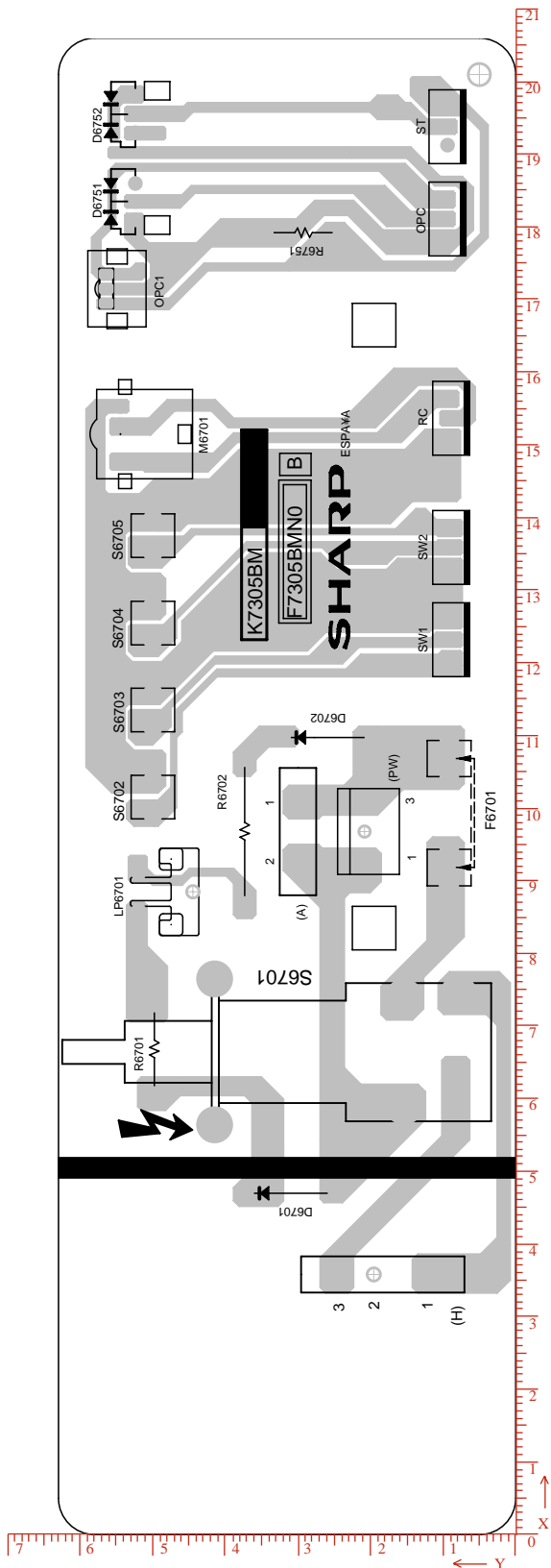


| Ref No | Xum   | Yum   |
|--------|-------|-------|
| (A)    | 5816  | 17500 |
| (AA)   | 84048 | 17500 |
| C4701  | 26390 | 11785 |
| C4746  | 63728 | 16103 |
| L4701  | 46253 | 18491 |
| L4701A | 45059 | 17500 |

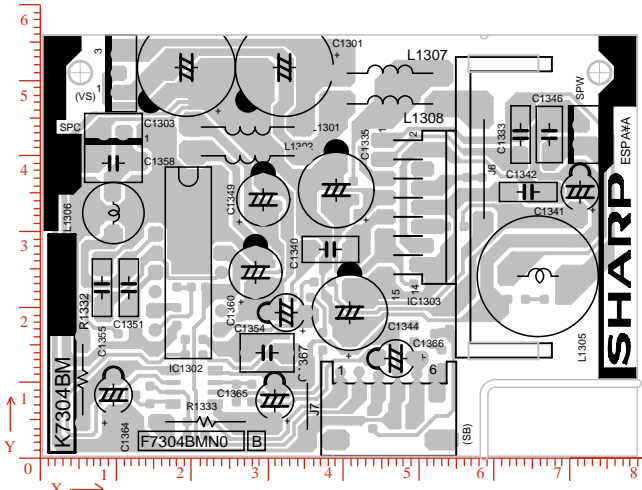
POWER SWITCH UNIT PRINTED WIRING BOARD SM (F7305N0B).

Component side.

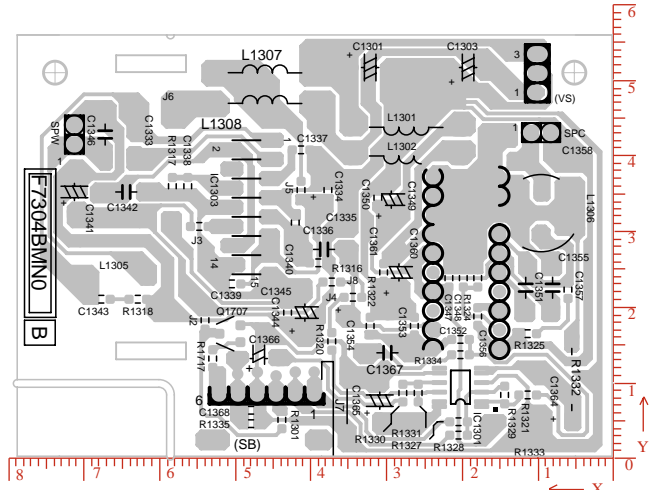
Copper side.



**AUDIO AMPLIFIER UNIT PRINTED WIRING BOARDS (F7304N0B).**



**Component side.**



**Copper side.**

**AUDIO AMPLIFIER UNIT (F7304N0B) PWB PARTS LOCATION TABLES.**

**Component Side.**

| Ref No | Xum   | Yum   |
|--------|-------|-------|
| (SB)   | 45720 | 8636  |
| (VS)   | 9906  | 50800 |
| C1301  | 32004 | 51562 |
| C1303  | 19050 | 51562 |
| C1333  | 63246 | 42672 |
| C1335  | 38862 | 35306 |
| C1340  | 38100 | 27432 |
| C1341  | 71120 | 35052 |
| C1342  | 64262 | 35052 |
| C1344  | 40640 | 19050 |
| C1346  | 67056 | 42672 |
| C1349  | 29210 | 34036 |
| C1351  | 11430 | 22352 |
| C1354  | 32258 | 19050 |
| C1355  | 7874  | 22352 |
| C1358  | 9398  | 38862 |
| C1360  | 28194 | 24384 |
| C1364  | 9398  | 8128  |
| C1365  | 30734 | 7366  |
| C1366  | 46736 | 12954 |
| C1367  | 29718 | 13716 |
| IC1302 | 19304 | 25654 |
| IC1303 | 55626 | 33020 |
| J6     | 58420 | 38100 |
| J7     | 35052 | 6604  |
| L1301  | 27178 | 43688 |
| L1302  | 27178 | 39878 |
| L1305  | 65531 | 23876 |
| L1306  | 9398  | 32258 |
| L1307  | 45974 | 50800 |
| L1308  | 45974 | 46736 |
| NS1AA  | 77978 | 11938 |
| NS4    | 45974 | -3048 |
| R1332  | 5334  | 10160 |
| R1333  | 21590 | 4572  |
| SPC    | 9398  | 42926 |
| SPW    | 71120 | 42672 |

**Copper side.**

| Ref No | Xum   | Yum   |
|--------|-------|-------|
| C1334  | 37592 | 35306 |
| C1336  | 41910 | 30988 |
| C1337  | 41148 | 40640 |
| C1338  | 56134 | 35814 |
| C1339  | 50292 | 22860 |
| C1343  | 67564 | 20828 |
| C1345  | 42926 | 19050 |
| C1347  | 21590 | 23622 |
| C1348  | 19685 | 23622 |
| C1350  | 30988 | 34290 |
| C1352  | 20066 | 15494 |
| C1353  | 26162 | 17272 |
| C1356  | 17780 | 18542 |
| C1357  | 5842  | 22098 |
| C1361  | 30226 | 24384 |
| C1368  | 47752 | 6096  |
| IC1301 | 20066 | 9144  |
| J2     | 53848 | 18034 |
| J3     | 54610 | 30480 |
| J4     | 34290 | 21082 |
| J5     | 41148 | 35306 |
| J8     | 37084 | 23114 |
| Q1707  | 50546 | 16256 |
| R1301  | 43688 | 4826  |
| R1316  | 38862 | 25654 |
| R1317  | 58166 | 35814 |
| R1318  | 62738 | 20828 |
| R1320  | 37084 | 15240 |
| R1321  | 11176 | 8128  |
| R1322  | 32004 | 17272 |
| R1324  | 17780 | 23622 |
| R1325  | 11176 | 16256 |
| R1327  | 20320 | 4572  |
| R1328  | 20320 | 2794  |
| R1329  | 14224 | 8128  |
| R1330  | 27686 | 8382  |
| R1331  | 25654 | 8382  |
| R1334  | 20066 | 13462 |
| R1335  | 47752 | 4318  |
| R1717  | 52832 | 12954 |

## MOTHER UNIT (F7293N5A) PWB PARTS LOCATION TABLES.

### Component Side.

| Ref No | Xum    | Yum    | Ref No | Xum    | Yum    | Ref No | Xum    | Yum    | Ref No | Xum    | Yum    | Ref No | Xum    | Yum    | Ref No | Xum    | Yum    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| (A)    | 19558  | 182118 | C314   | 283972 | 113030 | C644   | 178816 | 91440  | D712   | 25908  | 136906 | J137   | 183388 | 122428 | J212   | 182372 | 78486  |
| (AA)   | 20066  | 207010 | C315   | 289560 | 116840 | C648   | 78740  | 22352  | D714   | 117856 | 142494 | J138   | 194056 | 127000 | J214   | 193548 | 70866  |
| (AV)   | 166649 | 12496  | C322   | 290322 | 109982 | C651   | 113284 | 60706  | D716   | 65887  | 153670 | J139   | 198628 | 132588 | J216   | 231648 | 80010  |
| (AV.)  | 142494 | 34620  | C323   | 294386 | 109982 | C652   | 104648 | 42164  | D718   | 96012  | 160274 | J14    | 230124 | 210058 | J221   | 271272 | 72136  |
| (CC)   | 227076 | 223774 | C324   | 299974 | 109220 | C701   | 37338  | 215138 | D719   | 97536  | 139954 | J140   | 235966 | 132080 | J222   | 271272 | 70104  |
| (CV1)  | 277114 | 26670  | C325   | 304038 | 109220 | C702   | 62738  | 189484 | D720   | 110490 | 120904 | J141   | 236982 | 128524 | J223   | 270256 | 79756  |
| (CW)   | 8636   | 157734 | C326   | 301752 | 116586 | C703   | 10922  | 172212 | D722   | 100838 | 121412 | J142   | 236982 | 126238 | J224   | 280416 | 54864  |
| (EW)   | 121920 | 22860  | C329   | 307848 | 114046 | C704   | 48768  | 170942 | D731   | 8636   | 213614 | J143   | 236982 | 123952 | J225   | 318516 | 71628  |
| (F)    | 104902 | 72898  | C332   | 299974 | 144526 | C705   | 24892  | 122428 | D734   | 27940  | 214376 | J144   | 236982 | 121666 | J228   | 188976 | 59690  |
| (FV)   | 264668 | 36322  | C341   | 234696 | 218440 | C706   | 76454  | 223520 | D735   | 118872 | 124714 | J145   | 268986 | 127762 | J230   | 188976 | 57658  |
| (FV.)  | 204216 | 222504 | C342   | 258572 | 114554 | C707   | 98806  | 230632 | D803   | 188976 | 61722  | J146   | 281432 | 126492 | J231   | 190754 | 67056  |
| (G)    | 63754  | 194310 | C343   | 264668 | 114808 | C710   | 33782  | 158496 | F701   | 35306  | 192024 | J147   | 283972 | 126492 | J232   | 190754 | 64516  |
| (G2)   | 181864 | 167894 | C351   | 273812 | 220980 | C711   | 45466  | 145796 | FB1    | 35306  | 52832  | J150   | 205740 | 107696 | J234   | 203200 | 57404  |
| (H)    | 143764 | 109728 | C352   | 267716 | 220472 | C713   | 35814  | 146304 | FB1002 | 117602 | 227076 | J151   | 220980 | 105156 | J236   | 215392 | 56388  |
| (H.)   | 158242 | 204216 | C353   | 292100 | 237998 | C714   | 33274  | 106680 | FB301  | 183642 | 37338  | J152   | 232410 | 108204 | J24    | 232664 | 206502 |
| (HD)   | 235204 | 222758 | C356   | 258318 | 230632 | C718   | 118872 | 193040 | FB302  | 204978 | 20574  | J153   | 236982 | 119380 | J241   | 271272 | 68072  |
| (K)    | 222504 | 71628  | C358   | 272288 | 230378 | C719   | 123952 | 210566 | FB303  | 253492 | 24638  | J154   | 236982 | 117094 | J242   | 271272 | 66040  |
| (K.)   | 130048 | 180848 | C361   | 314198 | 228854 | C720   | 124206 | 111506 | FB501  | 148590 | 125730 | J155   | 236982 | 114808 | J243   | 269367 | 62738  |
| (L2)   | 314960 | 6858   | C362   | 267716 | 232156 | C721   | 116332 | 166624 | FB601  | 110490 | 58674  | J156   | 236220 | 111760 | J246   | 188976 | 53340  |
| (L3)   | 172466 | 203708 | C363   | 305054 | 228600 | C723   | 146304 | 149606 | FB603  | 104521 | 86106  | J157   | 289306 | 98806  | J248   | 189230 | 44958  |
| (L6)   | 24892  | 168656 | C365   | 266954 | 208280 | C724   | 90678  | 209296 | FB701  | 10414  | 107442 | J158   | 245872 | 104902 | J249   | 203200 | 55118  |
| (MO)   | 134874 | 18542  | C368   | 289306 | 219456 | C739   | 87376  | 198120 | FB702  | 50038  | 142240 | J159   | 248412 | 105156 | J250   | 205486 | 37846  |
| (PW)   | 9652   | 137414 | C370   | 300228 | 197358 | C745   | 63754  | 198628 | FB703  | 93980  | 124206 | J160   | 257556 | 103886 | J251   | 215392 | 54102  |
| (RGB.) | 236474 | 18542  | C372   | 272034 | 213360 | C746   | 37846  | 173990 | FB704  | 99822  | 108712 | J161   | 259842 | 103886 | J252   | 220218 | 37338  |
| (RT)   | 257606 | 188163 | C373   | 300482 | 219456 | C770   | 101092 | 186944 | FB705  | 110490 | 147828 | J162   | 262127 | 103886 | J253   | 240284 | 50800  |
| (S)    | 319786 | 221996 | C376   | 316738 | 212090 | C802   | 205232 | 72390  | IC1002 | 287020 | 176530 | J163   | 267462 | 102870 | J255   | 240284 | 48514  |
| (SA)   | 316230 | 161798 | C377   | 317500 | 205486 | C804   | 218694 | 66548  | IC1005 | 286512 | 157988 | J164   | 269748 | 100584 | J260   | 269494 | 32258  |
| (SB)   | 316230 | 188976 | C378   | 305816 | 213614 | C812   | 246634 | 72390  | IC1008 | 118110 | 239471 | J165   | 272542 | 100584 | J265   | 194310 | 32765  |
| (SC)   | 258318 | 128524 | C381   | 258318 | 235458 | C815   | 226822 | 97790  | IC1801 | 148082 | 182118 | J166   | 274828 | 100584 | J266   | 196850 | 32765  |
| (SS)   | 178308 | 233680 | C382   | 294640 | 197358 | C818   | 252476 | 69596  | IC203  | 294640 | 33528  | J167   | 277622 | 100584 | J269   | 241554 | 41656  |
| (STB1) | 255473 | 153466 | C415   | 211074 | 22606  | C820   | 282194 | 75946  | IC2401 | 214122 | 180594 | J168   | 279908 | 100584 | J27    | 253492 | 208026 |
| (STB2) | 97790  | 204470 | C422   | 266446 | 25654  | C821   | 287274 | 34290  | IC2402 | 214376 | 197612 | J169   | 297180 | 109220 | J270   | 241554 | 39116  |
| (STB3) | 244348 | 143510 | C426   | 278384 | 19050  | C822   | 258572 | 69088  | IC301  | 287274 | 230378 | J170   | 89408  | 202946 | J271   | 287020 | 38354  |
| (STB4) | 236651 | 178231 | C430   | 171704 | 222504 | C825   | 227584 | 66548  | IC302  | 288544 | 212852 | J171   | 318008 | 107442 | J274   | 264414 | 19558  |
| (VS)   | 216916 | 212852 | C431   | 181356 | 222504 | CF202  | 313944 | 85090  | IC304  | 246888 | 227838 | J171   | 93218  | 90170  | J275   | 290576 | 19558  |
| AV     | 249428 | 33274  | C433   | 256794 | 33528  | CF701  | 96266  | 220218 | IC305  | 291338 | 129794 | J172   | 131572 | 93218  | J278   | 290322 | 9906   |
| C1     | 24892  | 122428 | C437   | 274828 | 42926  | CN3    | 232994 | 241985 | IC501  | 159258 | 133350 | J173   | 134112 | 93218  | J28    | 241681 | 186690 |
| C1001  | 271272 | 148082 | C501   | 159766 | 145796 | D1001  | 130301 | 229997 | IC701  | 82804  | 209550 | J174   | 155194 | 91948  | J280   | 209550 | 35814  |
| C1027  | 233426 | 200152 | C504   | 143002 | 115824 | D1002  | 142290 | 229997 | IC706  | 89408  | 159512 | J175   | 157480 | 91948  | J284   | 14224  | 139700 |
| C1031  | 303784 | 153416 | C509   | 133350 | 124714 | D1809  | 173736 | 189484 | IC801  | 236728 | 85090  | J176   | 159766 | 91948  | J288   | 166370 | 69596  |
| C1032  | 243078 | 199644 | C511   | 167132 | 141478 | D1813  | 158496 | 175514 | J10    | 96774  | 216916 | J177   | 162052 | 91948  | J297   | 228600 | 151892 |
| C1807  | 142748 | 199136 | C514   | 174498 | 69596  | D1814  | 158242 | 172466 | J100   | 100838 | 138684 | J178   | 166624 | 91948  | J30    | 303022 | 205740 |
| C1811  | 157480 | 190500 | C520   | 179832 | 107188 | D1815  | 158242 | 179070 | J101   | 140462 | 133858 | J179   | 171704 | 91948  | J300   | 166370 | 67056  |
| C1812  | 167640 | 182880 | C524   | 176784 | 141478 | D510   | 186944 | 104394 | J106   | 203962 | 144018 | J180   | 178308 | 97282  | J301   | 312928 | 32258  |
| C1814  | 188976 | 166116 | C526   | 154686 | 76581  | D516   | 120396 | 23368  | J113   | 216916 | 128524 | J183   | 186690 | 91440  | J303   | 252984 | 101346 |
| C1823  | 134366 | 199136 | C528   | 133604 | 46736  | D603   | 98806  | 58674  | J114   | 219202 | 128524 | J185   | 191262 | 91440  | J304   | 253746 | 161544 |
| C1824  | 155956 | 182880 | C536   | 178816 | 148590 | D604   | 103378 | 42164  | J115   | 221488 | 128524 | J187   | 205740 | 105156 | J305   | 307848 | 193294 |
| C1825  | 157988 | 198374 | C601   | 100330 | 49784  | D605   | 99314  | 59944  | J116   | 233172 | 145796 | J189   | 312166 | 98044  | J306   | 64262  | 18288  |
| C1826  | 169672 | 198374 | C607   | 73914  | 91440  | D606   | 125984 | 93218  | J117   | 242316 | 193548 | J190   | 182372 | 83566  | J307   | 272034 | 85598  |
| C204   | 317246 | 45720  | C610   | 121920 | 53340  | D608   | 66802  | 30226  | J118   | 235966 | 136144 | J191   | 211836 | 89154  | J309   | 257810 | 86614  |
| C205   | 317500 | 51562  | C611   | 102616 | 33274  | D609   | 91440  | 11938  | J119   | 235966 | 134112 | J192   | 211836 | 86614  | J31    | 305562 | 193294 |
| C206   | 307340 | 81026  | C611A  | 100330 | 35052  | D610   | 140208 | 92964  | J12    | 230124 | 214630 | J193   | 211836 | 84074  | J311   | 230886 | 138684 |
| C209   | 317500 | 39116  | C613   | 147066 | 68072  | D611   | 99568  | 104394 | J120   | 257810 | 138938 | J194   | 211836 | 81534  | J312   | 196088 | 139446 |
| C210   | 313436 | 107696 | C615   | 168656 | 79502  | D612   | 88646  | 90932  | J121   | 255778 | 144526 | J198   | 238506 | 83312  | J314   | 282194 | 59944  |
| C211   | 301752 | 82042  | C616   | 141224 | 129286 | D613   | 128016 | 60706  | J122   | 255778 | 142240 | J199   | 248920 | 83312  | J316   | 143256 | 91948  |
| C215   | 292608 | 24638  | C618   | 81280  | 33274  | D621   | 102616 | 95504  | J125   | 264922 | 129032 | J200   | 257810 | 88900  | J317   | 94742  | 195326 |
| C218   | 293624 | 9906   | C619   | 139192 | 51054  | D622   | 188976 | 91694  | J127   | 272796 | 129794 | J201   | 257810 | 84328  | J318   | 214630 | 128524 |
| C219   | 314452 | 79502  | C620   | 137414 | 58928  | D623   | 166878 | 63754  | J128   | 307340 | 129794 | J202   | 276098 | 87884  | J319   | 210540 | 79248  |
| C220   | 292608 | 84328  | C631   | 118618 | 81026  | D701   | 13462  | 175514 | J129   | 314198 | 129794 | J203   | 276098 | 83312  | J32    | 310134 | 193294 |
| C228   | 310896 | 61722  | C632   | 100076 | 6604   | D702   | 14478  | 167640 | J13    | 230124 | 212344 | J206   | 289306 | 93980  | J320   | 103378 | 138684 |
| C229   | 291338 | 51816  | C634   | 78486  | 45974  | D703   | 48006  | 162560 | J130   | 318262 | 131063 | J207   | 77978  | 71374  | J321   | 101600 | 108712 |
| C305   | 255016 | 120904 | C637   | 69850  | 30226  | D704   | 37592  | 166878 | J131   | 320802 | 131063 | J208   | 139446 | 80010  | J322   | 188976 | 48006  |
| C306   | 249174 | 120142 | C638   | 94234  | 9652   | D707   | 62738  | 185166 | J133   | 118364 | 128270 | J209   | 139446 | 77470  | J323   | 240284 | 45466  |
| C311   | 272034 | 114554 | C641   | 87122  | 33274  | D708   | 64770  | 198628 | J134   | 118364 | 121412 | J210   | 139446 | 74930  | J326   | 133858 | 107188 |
| C313   | 279146 | 116078 | C642   | 84582  | 39370  | D711   | 54610  | 142240 | J136   | 182880 | 124968 | J211   | 166116 | 73406  | J33    | 114300 | 183896 |

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### Component Side.

| Ref No | Xum    | Yum    | Ref No | Xum    | Yum    | Ref No | Xum    | Yum    | Ref No | Xum    | Yum    | Ref No | Xum    | Yum    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| J331   | 257048 | 42164  | JF32   | 203962 | 129286 | L502   | 150876 | 140716 | R424   | 237998 | 24638  | S701   | 20497  | 247015 |
| J337   | 261873 | 152908 | JF33   | 206502 | 129286 | L503   | 169164 | 91948  | R425   | 237998 | 27432  | S702   | 48514  | 238201 |
| J343   | 222504 | 59182  | JF34   | 209042 | 129286 | L603   | 123698 | 33782  | R426   | 220980 | 24638  | S703   | 60502  | 238201 |
| J344   | 64516  | 232664 | JF35   | 211582 | 129286 | L603A  | 123698 | 33782  | R436   | 271018 | 19304  | S704   | 72517  | 238201 |
| J347   | 227838 | 36576  | JF40   | 180848 | 115316 | L604   | 81788  | 13208  | R451   | 202946 | 37846  | S705   | 84505  | 238201 |
| J348   | 225298 | 36576  | JF48   | 128016 | 124460 | L604A  | 80772  | 12700  | R455   | 188976 | 50546  | SF201  | 294894 | 72644  |
| J349   | 222758 | 36576  | JF50   | 89916  | 23114  | L605   | 100076 | 18796  | R464   | 257048 | 44704  | SF202  | 290322 | 72644  |
| J358   | 157988 | 55118  | JF51   | 102870 | 26670  | L606   | 105918 | 86106  | R501   | 176022 | 100838 | SF203  | 296672 | 61468  |
| J359   | 171958 | 131826 | JF53   | 53594  | 211836 | L609   | 82296  | 82042  | R503   | 153924 | 115824 | T601   | 33655  | 51003  |
| J362   | 157734 | 200914 | JF54   | 66802  | 211836 | L609A  | 69088  | 72390  | R508   | 182880 | 130048 | T701   | 74599  | 127635 |
| J363   | 142494 | 205486 | JF55   | 113792 | 93218  | L611   | 59436  | 13462  | R518   | 160782 | 103124 | TH201  | 304495 | 5486   |
| J39    | 242316 | 195834 | JF56   | 87884  | 75692  | L612   | 117094 | 12192  | R519   | 182372 | 81026  | TRC    | 188569 | 180492 |
| J4     | 84074  | 215138 | JF57   | 84328  | 73152  | L701   | 60172  | 211658 | R526   | 186944 | 136652 | X1002  | 245999 | 154940 |
| J40    | 243840 | 191262 | JF6    | 297942 | 89154  | L701A1 | 59182  | 212852 | R530   | 184150 | 91440  | X2401  | 217678 | 153924 |
| J401   | 216458 | 237998 | JF61   | 31242  | 237236 | L702   | 48768  | 184912 | R533   | 164338 | 91948  | X301   | 314706 | 115824 |
| J41    | 243840 | 188976 | JF63   | 136906 | 193040 | L703   | 41656  | 188468 | R534   | 182880 | 127508 | X801   | 240284 | 68326  |
| J42    | 243840 | 184404 | JF64   | 136906 | 190754 | L705   | 122936 | 148082 | R536   | 136652 | 34798  |        |        |        |
| J43    | 260857 | 192532 | JF65   | 139192 | 180086 | L801   | 204978 | 66548  | R541   | 205740 | 110236 |        |        |        |
| J44    | 266192 | 191770 | JF66   | 133350 | 162052 | L803   | 218440 | 105156 | R550   | 189484 | 136652 |        |        |        |
| J45    | 268478 | 191770 | JF8    | 68580  | 6350   | LP701  | 38506  | 235991 | R553   | 142494 | 121920 |        |        |        |
| J46    | 270764 | 191770 | JF9    | 68580  | 8890   | M1000  | 98501  | 240461 | R563   | 168148 | 105156 |        |        |        |
| J47    | 288544 | 192278 | JL1    | 141224 | 19812  | MODUL  | 215392 | 48768  | R603   | 148336 | 91948  |        |        |        |
| J48    | 280924 | 192278 | JL1.   | 237998 | 197612 | POR701 | 62738  | 179578 | R606   | 79248  | 99314  |        |        |        |
| J49    | 283464 | 192278 | JL10   | 292608 | 145796 | Q2     | 71120  | 56134  | R608   | 145796 | 91948  |        |        |        |
| J5     | 117602 | 225806 | JL10.  | 201676 | 77216  | Q502   | 192532 | 107696 | R609   | 136906 | 82804  |        |        |        |
| J50    | 286004 | 192278 | JL11   | 209804 | 154940 | Q601   | 71120  | 56134  | R610   | 128778 | 45974  |        |        |        |
| J6     | 120142 | 225806 | JL11.  | 250291 | 157911 | Q602   | 97282  | 100330 | R611   | 118364 | 16510  |        |        |        |
| J60    | 217170 | 175006 | JL11.. | 236880 | 160274 | Q605   | 90170  | 79248  | R611A  | 117602 | 15748  |        |        |        |
| J61    | 230632 | 167894 | JL12   | 215900 | 33274  | Q701   | 45720  | 128016 | R612   | 84074  | 75692  |        |        |        |
| J62    | 232664 | 171704 | JL12.  | 262382 | 68072  | Q701A1 | 45720  | 128016 | R613   | 131063 | 60198  |        |        |        |
| J63    | 280162 | 177546 | JL12., | 268224 | 68072  | Q711   | 151384 | 220726 | R614   | 72644  | 23876  |        |        |        |
| J64    | 296418 | 176530 | JL12.  | 277876 | 57404  | Q912   | 129794 | 199644 | R616   | 151130 | 92710  |        |        |        |
| J67    | 66548  | 162814 | JL14   | 247142 | 64262  | R1008  | 219456 | 145034 | R617   | 82042  | 94234  |        |        |        |
| J68    | 66548  | 160274 | JL14.  | 150622 | 37084  | R1018  | 261873 | 150368 | R618   | 205232 | 113538 |        |        |        |
| J69    | 92202  | 163322 | JL17   | 130555 | 119634 | R1019  | 257810 | 133858 | R619   | 125476 | 131826 |        |        |        |
| J71    | 214630 | 160528 | JL17.  | 190754 | 114808 | R1020  | 257810 | 136398 | R620   | 224282 | 144272 |        |        |        |
| J72    | 230632 | 163322 | JL18   | 255574 | 162585 | R1022  | 261873 | 147320 | R623   | 122428 | 93218  |        |        |        |
| J74    | 231394 | 160274 | JL19   | 319786 | 11176  | R1027  | 232664 | 204216 | R628   | 141986 | 104140 |        |        |        |
| J75    | 230632 | 165608 | JL2    | 265684 | 185674 | R1036  | 129794 | 220980 | R641   | 129032 | 93218  |        |        |        |
| J78    | 267970 | 162814 | JL2.   | 168656 | 60198  | R1047  | 275590 | 191770 | R643   | 135890 | 117348 |        |        |        |
| J79    | 270510 | 162814 | JL2..  | 234950 | 62484  | R1050  | 278130 | 191770 | R651   | 69850  | 17018  |        |        |        |
| J8     | 235712 | 227330 | JL26   | 256540 | 60706  | R1055  | 273050 | 191770 | R703   | 20574  | 234950 |        |        |        |
| J80    | 273050 | 162814 | JL27   | 245110 | 59436  | R1058  | 248920 | 132334 | R713   | 14224  | 107950 |        |        |        |
| J81    | 275590 | 162814 | JL28   | 258064 | 62484  | R1059  | 251460 | 132029 | R714   | 36576  | 105918 |        |        |        |
| J82    | 278130 | 162814 | JL31   | 179705 | 59436  | R1801  | 132080 | 169418 | R715   | 21590  | 157480 |        |        |        |
| J83    | 306070 | 179324 | JL31.  | 175514 | 86614  | R1831  | 158242 | 166116 | R716   | 25908  | 139446 |        |        |        |
| J85    | 136398 | 144526 | JL6    | 262890 | 224790 | R1832  | 168402 | 170180 | R721   | 20574  | 229870 |        |        |        |
| J86    | 139192 | 144526 | JL6.   | 271018 | 141732 | R1833  | 158242 | 169164 | R723   | 66548  | 157226 |        |        |        |
| J87    | 183134 | 145542 | JL7    | 239268 | 163068 | R1834  | 173482 | 170180 | R727   | 133858 | 144526 |        |        |        |
| J88    | 203962 | 146558 | JL7.   | 201168 | 63754  | R1835  | 158242 | 163068 | R728   | 114808 | 176784 |        |        |        |
| J9     | 235712 | 225044 | L1801  | 167386 | 191262 | R1836  | 191008 | 158750 | R730   | 23622  | 103378 |        |        |        |
| J90    | 221996 | 145034 | L201   | 313944 | 88900  | R229   | 224028 | 124460 | R741   | 75184  | 167132 |        |        |        |
| J91    | 217170 | 145034 | L203   | 289179 | 16764  | R230   | 232664 | 104902 | R742   | 96520  | 174244 |        |        |        |
| J92    | 233426 | 155194 | L2401  | 203962 | 152400 | R231   | 289306 | 42418  | R763   | 65024  | 171450 |        |        |        |
| J93    | 237236 | 148082 | L2402  | 203962 | 149352 | R232   | 316738 | 25908  | R770   | 74422  | 191770 |        |        |        |
| J94    | 233172 | 141224 | L301   | 288036 | 142240 | R233   | 316738 | 23368  | R771   | 81280  | 184912 |        |        |        |
| J95    | 233426 | 157734 | L315   | 253746 | 210566 | R234   | 313944 | 14478  | R778   | 20574  | 240030 |        |        |        |
| J99    | 114808 | 179832 | L316   | 253746 | 205486 | R306   | 308610 | 148590 | R790   | 78486  | 230124 |        |        |        |
| JF1    | 82042  | 85090  | L317   | 265938 | 240792 | R307   | 311150 | 148590 | R791   | 78486  | 232664 |        |        |        |
| JF10   | 135636 | 77470  | L318   | 192786 | 223012 | R315   | 241808 | 215138 | R792   | 96774  | 224536 |        |        |        |
| JF14   | 289229 | 96266  | L350   | 257556 | 219456 | R359   | 310642 | 210058 | R814   | 229768 | 59436  |        |        |        |
| JF19   | 309118 | 98044  | L351   | 257556 | 215392 | R408   | 157226 | 40386  | R815   | 203200 | 59690  |        |        |        |
| JF28   | 131318 | 143510 | L352   | 303530 | 237744 | R418   | 240792 | 34036  | REF10  | 53695  | -4166  |        |        |        |
| JF29   | 54102  | 174752 | L353   | 312674 | 219710 | R419   | 220980 | 27432  | REF1A  | 127000 | 164592 |        |        |        |
| JF31   | 214630 | 145034 | L501   | 163322 | 116586 | R420   | 230378 | 36576  | REF4   | 238252 | 166878 |        |        |        |



## MOTHER UNIT (F7293N5A) PWB PARTS LOCATION TABLES.

## Copper Side.

| Ref No | Xum    | Yum    | Ref No | Xum    | Yum    | Ref No | Xum    | Yum    | Ref No | Xum    | Yum    | Ref No | Xum    | Yum    | Ref No | Xum    | Yum    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| C1002  | 275590 | 143510 | C330   | 309626 | 124206 | C503   | 163068 | 126746 | D1006  | 224282 | 112522 | D706   | 83058  | 212852 | J352   | 319024 | 189484 |
| C1005  | 262890 | 163626 | C331   | 309880 | 135890 | C505   | 157226 | 126492 | D1007  | 253492 | 109728 | D710   | 93726  | 211582 | J353   | 278384 | 131318 |
| C1014  | 304800 | 173482 | C333   | 311912 | 124206 | C506   | 156718 | 131572 | D1008  | 251206 | 109728 | D713   | 36068  | 139700 | J354   | 316992 | 99822  |
| C1015  | 120396 | 235966 | C334   | 313690 | 118110 | C507   | 165608 | 132080 | D1009  | 264795 | 156006 | D715   | 64008  | 121412 | J356   | 288290 | 32512  |
| C1017  | 214376 | 151638 | C335   | 318516 | 118110 | C508   | 158242 | 123952 | D1010  | 286512 | 161544 | D721   | 138684 | 144526 | J360   | 233172 | 212598 |
| C1018  | 253746 | 192532 | C336   | 232410 | 237998 | C510   | 152908 | 132842 | D1011  | 314986 | 153466 | D724   | 155702 | 233172 | J361   | 231394 | 212598 |
| C1019  | 242062 | 150876 | C337   | 234188 | 237998 | C512   | 193040 | 102108 | D1804  | 137160 | 197104 | D725   | 157734 | 224536 | J51    | 320802 | 189484 |
| C1020  | 242062 | 152908 | C338   | 250444 | 236982 | C513   | 157988 | 117856 | D1805  | 132334 | 200914 | D726   | 83566  | 132334 | J65    | 299720 | 170942 |
| C1021  | 237286 | 175056 | C339   | 250444 | 227076 | C515   | 167132 | 53594  | D1810  | 132080 | 164846 | D727   | 70866  | 131826 | J701   | 93726  | 138938 |
| C1022  | 243840 | 156718 | C340   | 235712 | 220726 | C516   | 157988 | 74168  | D1811  | 151384 | 186944 | D728   | 72898  | 165354 | J98    | 268986 | 146304 |
| C1023  | 218694 | 81280  | C350   | 289814 | 228600 | C517   | 158648 | 70866  | D1812  | 145542 | 198882 | D729   | 82296  | 183134 | JF1001 | 37592  | 18796  |
| C1024  | 223774 | 82296  | C354   | 284734 | 231140 | C518   | 147320 | 65531  | D203   | 308102 | 12192  | D730   | 35814  | 147828 | JF1002 | 39370  | 18796  |
| C1025  | 219456 | 84582  | C357   | 265684 | 234188 | C521   | 172212 | 112776 | D204   | 314960 | 56134  | D732   | 82296  | 200914 | JF1003 | 41148  | 18796  |
| C1026  | 264160 | 158953 | C359   | 277114 | 236855 | C522   | 156718 | 135382 | D205   | 317246 | 99314  | D733   | 87376  | 198628 | JF1004 | 42926  | 18796  |
| C1028  | 291922 | 160477 | C360   | 297942 | 239268 | C523   | 189738 | 128016 | D2401  | 215138 | 181864 | D801   | 259842 | 87122  | JF1005 | 44704  | 18796  |
| C1029  | 291846 | 173482 | C364   | 306070 | 228600 | C525   | 155752 | 72034  | D2402  | 210820 | 173482 | D802   | 257302 | 87122  | JF1006 | 46482  | 18796  |
| C1030  | 289052 | 43434  | C366   | 266954 | 208534 | C527   | 150876 | 74676  | D2403  | 210820 | 168910 | D804   | 207264 | 65531  | JF1007 | 48260  | 18796  |
| C1033  | 262890 | 165531 | C367   | 290830 | 211074 | C529   | 165608 | 58674  | D2404  | 210820 | 171196 | FB1001 | 242062 | 146558 | JF1008 | 50038  | 18796  |
| C1034  | 242138 | 179806 | C369   | 289560 | 214122 | C530   | 155956 | 82804  | D301   | 310388 | 201422 | FB801  | 237490 | 65531  | JF11   | 285750 | 23876  |
| C1801  | 134366 | 165862 | C371   | 277622 | 211582 | C531   | 171196 | 79502  | D302   | 261873 | 120396 | FB802  | 246126 | 80264  | JF12   | 280924 | 28194  |
| C1805  | 140208 | 196850 | C374   | 281432 | 213868 | C532   | 169418 | 118364 | D303   | 270256 | 115062 | IC1001 | 250190 | 172212 | JF15   | 104140 | 83566  |
| C1806  | 142748 | 199136 | C375   | 306578 | 220980 | C535   | 174193 | 46786  | D304   | 259588 | 120396 | IC1003 | 275844 | 148844 | JF16   | 103886 | 88392  |
| C1813  | 165100 | 203200 | C379   | 304038 | 212852 | C541   | 255016 | 97790  | D305   | 257302 | 118872 | IC1004 | 298958 | 153162 | JF2    | 300990 | 32512  |
| C1815  | 139446 | 191770 | C380   | 281686 | 137414 | C542   | 213868 | 97536  | D401   | 149860 | 30480  | IC1006 | 291338 | 150876 | JF20   | 211074 | 226060 |
| C1820  | 135382 | 188468 | C383   | 266954 | 132842 | C636   | 183896 | 119126 | D402   | 157226 | 32765  | IC1007 | 283464 | 148844 | JF21   | 207518 | 226060 |
| C1821  | 135128 | 177038 | C386   | 250444 | 223774 | C639   | 96012  | 81026  | D403   | 152908 | 23622  | IC201  | 307340 | 70104  | JF22   | 209296 | 226060 |
| C1822  | 136144 | 165862 | C387   | 250444 | 233680 | C640   | 92456  | 77216  | D404   | 147066 | 18796  | IC202  | 302768 | 97282  | JF24   | 108458 | 99466  |
| C1827  | 137922 | 202184 | C401   | 176022 | 25908  | C643   | 217932 | 167640 | D405   | 215392 | 20066  | IC401  | 273558 | 32258  | JF3    | 300990 | 30480  |
| C203   | 317754 | 63754  | C402   | 179070 | 29972  | C645   | 155448 | 63754  | D406   | 221742 | 23368  | IC502  | 163576 | 116332 | JF41   | 183642 | 114300 |
| C207   | 303530 | 59436  | C403   | 184150 | 36576  | C646   | 154686 | 58928  | D407   | 241300 | 22860  | IC503  | 161544 | 79502  | JF60   | 283616 | 29718  |
| C208   | 304546 | 56388  | C404   | 189992 | 35052  | C712   | 44958  | 118618 | D408   | 235458 | 22860  | IC702  | 85344  | 222504 | JF62   | 151384 | 187706 |
| C212   | 299974 | 45974  | C405   | 180086 | 36576  | C715   | 36576  | 104394 | D409   | 229870 | 25146  | IC703  | 106426 | 200914 | L202   | 309372 | 41656  |
| C213   | 299974 | 50292  | C406   | 185674 | 29210  | C716   | 66294  | 125476 | D410   | 223774 | 18288  | IC704  | 106426 | 211328 | L204   | 311150 | 61214  |
| C214   | 302514 | 38100  | C408   | 159004 | 18542  | C717   | 68326  | 120904 | D411   | 232664 | 13462  | IC705  | 77470  | 123698 | L205   | 307340 | 48514  |
| C216   | 306832 | 27686  | C409   | 180086 | 13716  | C722   | 113284 | 141224 | D412   | 206756 | 37592  | IC707  | 113030 | 156972 | L601   | 29972  | 77470  |
| C217   | 306832 | 21336  | C410   | 177800 | 18288  | C725   | 64516  | 233934 | D413   | 204216 | 37592  | IC708  | 74422  | 173228 | Q1001  | 227330 | 191516 |
| C221   | 315468 | 59690  | C411   | 189230 | 21590  | C728   | 81788  | 205486 | D414   | 197104 | 24130  | J126   | 267716 | 141986 | Q1002  | 126238 | 234696 |
| C222   | 307594 | 59436  | C412   | 188214 | 17272  | C730   | 49784  | 235966 | D415   | 166624 | 25908  | J132   | 69342  | 124206 | Q1003  | 141478 | 222250 |
| C223   | 300736 | 8382   | C413   | 192532 | 22606  | C731   | 60452  | 236220 | D416   | 197866 | 17780  | J2     | 258064 | 236474 | Q1004  | 309118 | 163068 |
| C224   | 297434 | 7366   | C414   | 186182 | 17272  | C732   | 72644  | 236220 | D417   | 220472 | 12192  | J218   | 234950 | 71374  | Q1005  | 237490 | 150622 |
| C225   | 296926 | 13716  | C416   | 250952 | 13462  | C733   | 83312  | 235712 | D418   | 278892 | 40132  | J219   | 236982 | 71374  | Q1006  | 253492 | 204978 |
| C226   | 314452 | 95504  | C417   | 258064 | 16764  | C735   | 118618 | 144018 | D419   | 280924 | 34036  | J220   | 234950 | 65786  | Q1007  | 254203 | 184785 |
| C227   | 316230 | 95504  | C418   | 248920 | 18288  | C737   | 73660  | 167132 | D420   | 162306 | 13208  | J240   | 244094 | 68580  | Q201   | 252730 | 37084  |
| C230   | 289052 | 55118  | C419   | 256286 | 16764  | C738   | 33274  | 149606 | D421   | 153416 | 13208  | J279   | 308356 | 9906   | Q207   | 299974 | 42926  |
| C231   | 316992 | 77089  | C420   | 256286 | 25146  | C740   | 118872 | 169672 | D422   | 168656 | 32004  | J281   | 160274 | 133858 | Q208   | 299974 | 88138  |
| C2401  | 217932 | 165862 | C421   | 249174 | 25146  | C741   | 120396 | 144018 | D423   | 189738 | 27686  | J283   | 293878 | 179578 | Q209   | 286766 | 9398   |
| C2402  | 217932 | 163830 | C427   | 270256 | 43434  | C742   | 124968 | 149860 | D424   | 189738 | 29972  | J286   | 290830 | 100076 | Q210   | 286766 | 51816  |
| C2403  | 215138 | 185420 | C428   | 171196 | 228600 | C743   | 106172 | 150114 | D425   | 176022 | 32004  | J289   | 296926 | 55118  | Q2401  | 216408 | 116586 |
| C2404  | 219202 | 176022 | C429   | 177800 | 229870 | C801   | 213614 | 77470  | D502   | 139446 | 56642  | J294   | 236982 | 128778 | Q302   | 314960 | 201930 |
| C2405  | 210058 | 181864 | C432   | 265176 | 34036  | C803   | 221742 | 78486  | D503   | 138938 | 61214  | J302   | 234746 | 172720 | Q303   | 319278 | 200406 |
| C2406  | 215138 | 176530 | C434   | 220726 | 46482  | C807   | 230124 | 63754  | D504   | 139446 | 54356  | J310   | 234696 | 156718 | Q304   | 306832 | 200660 |
| C2407  | 217170 | 185420 | C435   | 224282 | 45720  | C808   | 233172 | 65786  | D506   | 150622 | 70866  | J313   | 104394 | 239522 | Q305   | 257810 | 224790 |
| C2408  | 211074 | 208026 | C436   | 226822 | 45720  | C809   | 228092 | 87884  | D507   | 187960 | 103124 | J324   | 247904 | 69088  | Q306   | 259080 | 216408 |
| C2409  | 213106 | 116586 | C438   | 260349 | 36576  | C811   | 252730 | 77978  | D508   | 188214 | 112522 | J325   | 247904 | 67310  | Q403   | 264668 | 45466  |
| C309   | 268224 | 137668 | C439   | 278384 | 46482  | C813   | 243078 | 80264  | D509   | 132588 | 119126 | J332   | 209296 | 72136  | Q404   | 164338 | 37592  |
| C310   | 268224 | 135890 | C440   | 277114 | 50800  | C814   | 240792 | 80264  | D515   | 152654 | 70866  | J335   | 238760 | 128778 | Q405   | 172974 | 37338  |
| C312   | 274828 | 123698 | C441   | 272542 | 50800  | C816   | 237490 | 96774  | D601   | 175006 | 75438  | J336   | 246888 | 155448 | Q406   | 201422 | 28194  |
| C316   | 278130 | 122682 | C442   | 159766 | 50800  | C817   | 252222 | 70104  | D614   | 77216  | 100838 | J338   | 257175 | 143941 | Q408   | 284988 | 29718  |
| C317   | 287020 | 124460 | C443   | 280924 | 23622  | C819   | 279908 | 44450  | D615   | 221996 | 105156 | J339   | 255270 | 143941 | Q501   | 176022 | 69596  |
| C318   | 289306 | 124460 | C444   | 239776 | 29210  | C823   | 224282 | 105918 | D617   | 226060 | 101346 | J340   | 93472  | 200152 | Q503   | 182118 | 80518  |
| C319   | 250444 | 230378 | C445   | 236220 | 30226  | C824   | 207010 | 74676  | D618   | 219456 | 151892 | J341   | 319278 | 185420 | Q505   | 192532 | 123698 |
| C320   | 250444 | 225425 | C446   | 220726 | 27940  | C826   | 215646 | 62992  | D619   | 103632 | 83566  | J342   | 319278 | 183388 | Q506   | 147828 | 60960  |
| C321   | 288290 | 141732 | C447   | 247396 | 62484  | D1003  | 236474 | 132080 | D620   | 97028  | 83058  | J345   | 209296 | 229108 | Q507   | 188214 | 119126 |
| C327   | 299720 | 124206 | C451   | 229362 | 221488 | D1004  | 269240 | 151638 | D624   | 29718  | 73660  | J350   | 234188 | 217678 | Q603   | 108458 | 100838 |
| C328   | 305054 | 124206 | C502   | 162814 | 133858 | D1005  | 303784 | 159258 | D625   | 74676  | 12446  | J351   | 319532 | 193040 | Q604   | 102616 | 97282  |

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### Copper Side.

| Ref No | Xum    | Yum    | Ref No | Xum    | Yum    | Ref No | Xum    | Yum    | Ref No | Xum    | Yum    | Ref No | Xum    | Yum    | Ref No | Xum    | Yum    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Q606   | 183896 | 122174 | R203   | 256032 | 37084  | R317   | 235458 | 227584 | R457   | 170180 | 25654  | R634   | 103378 | 94234  | R817   | 214376 | 58674  |
| Q607   | 275336 | 180848 | R204   | 306578 | 87630  | R318   | 276606 | 111252 | R458   | 285750 | 21844  | R642   | 131318 | 107442 | R818   | 207518 | 61722  |
| Q608   | 218948 | 157226 | R205   | 315722 | 82804  | R319   | 261619 | 116586 | R459   | 279908 | 18542  | R644   | 217932 | 169418 | T702   | 56896  | 173228 |
| Q702   | 27432  | 138684 | R208   | 290322 | 95758  | R320   | 265176 | 114554 | R460   | 204978 | 20574  | R646   | 156464 | 58928  |        |        |        |
| Q703   | 28448  | 144780 | R209   | 290322 | 97536  | R321   | 302006 | 106426 | R461   | 285750 | 25908  | R647   | 158496 | 63246  |        |        |        |
| Q708   | 68580  | 229362 | R210   | 318516 | 95504  | R322   | 306070 | 106172 | R462   | 214630 | 14732  | R648   | 159512 | 61468  |        |        |        |
| Q709   | 74168  | 206248 | R211   | 297688 | 100838 | R323   | 292354 | 106680 | R463   | 254000 | 40132  | R706   | 105410 | 145542 |        |        |        |
| Q710   | 154686 | 227838 | R215   | 320802 | 95504  | R350   | 255016 | 216662 | R465   | 279146 | 38100  | R707   | 116332 | 169672 |        |        |        |
| Q712   | 150368 | 227584 | R216   | 316992 | 51816  | R351   | 257556 | 227838 | R466   | 282702 | 23622  | R708   | 77978  | 206248 |        |        |        |
| Q714   | 91186  | 231394 | R217   | 311404 | 81788  | R352   | 280416 | 232156 | R467   | 278892 | 40386  | R711   | 95250  | 203708 |        |        |        |
| Q715   | 81280  | 191008 | R218   | 315976 | 15748  | R353   | 292354 | 240538 | R468   | 287274 | 39116  | R712   | 93980  | 206756 |        |        |        |
| Q717   | 90424  | 189992 | R219   | 309372 | 38608  | R354   | 254254 | 212090 | R469   | 251206 | 32512  | R717   | 39370  | 129032 |        |        |        |
| Q801   | 213868 | 100838 | R220   | 310388 | 52832  | R355   | 256540 | 212090 | R470   | 256540 | 66548  | R718   | 22606  | 106680 |        |        |        |
| Q802   | 234442 | 54356  | R225   | 295910 | 45720  | R356   | 284988 | 214376 | R502   | 165862 | 107950 | R719   | 33274  | 142748 |        |        |        |
| Q803   | 236474 | 59182  | R226   | 294894 | 55118  | R357   | 310388 | 217678 | R504   | 182626 | 110744 | R720   | 27432  | 135636 |        |        |        |
| Q804   | 218948 | 62484  | R227   | 299974 | 52070  | R358   | 318770 | 208280 | R505   | 190246 | 109220 | R722   | 66040  | 120904 |        |        |        |
| Q805   | 212344 | 62738  | R228   | 299974 | 48514  | R360   | 308356 | 204724 | R506   | 187706 | 105664 | R724   | 84582  | 156972 |        |        |        |
| Q901   | 134620 | 172212 | R235   | 308356 | 17526  | R361   | 319278 | 203454 | R507   | 193040 | 98552  | R732   | 81788  | 207264 |        |        |        |
| Q902   | 143764 | 165862 | R236   | 308356 | 14224  | R362   | 257556 | 221742 | R509   | 159766 | 145542 | R733   | 75946  | 217932 |        |        |        |
| Q903   | 147574 | 160528 | R237   | 304800 | 83312  | R363   | 257556 | 219964 | R510   | 163068 | 124968 | R735   | 72136  | 225806 |        |        |        |
| Q904   | 135382 | 183642 | R238   | 304800 | 87630  | R372   | 297942 | 194818 | R511   | 163068 | 123190 | R736   | 75184  | 210566 |        |        |        |
| Q905   | 139954 | 174498 | R239   | 237236 | 111506 | R373   | 251206 | 211328 | R512   | 167132 | 110998 | R737   | 61468  | 232664 |        |        |        |
| Q906   | 141478 | 170434 | R240   | 313944 | 48514  | R374   | 271780 | 213614 | R513   | 157988 | 119634 | R738   | 67564  | 232664 |        |        |        |
| Q907   | 133604 | 191770 | R2401  | 219202 | 185420 | R375   | 269494 | 232410 | R514   | 193294 | 128016 | R739   | 75692  | 212852 |        |        |        |
| Q908   | 139446 | 188722 | R2402  | 211836 | 164592 | R376   | 280416 | 142494 | R515   | 175006 | 125476 | R740   | 83058  | 214884 |        |        |        |
| Q909   | 140462 | 182372 | R2403  | 217170 | 113538 | R377   | 261873 | 233172 | R516   | 167894 | 107950 | R743   | 122936 | 172466 |        |        |        |
| Q913   | 146558 | 198374 | R2404  | 211328 | 116586 | R378   | 297434 | 199898 | R517   | 193040 | 100330 | R744   | 97028  | 161036 |        |        |        |
| R1003  | 229616 | 212598 | R2405  | 210058 | 179832 | R401   | 147320 | 26670  | R520   | 154940 | 75692  | R745   | 87884  | 153670 |        |        |        |
| R1026  | 240030 | 198755 | R2406  | 211836 | 162814 | R402   | 159258 | 36322  | R521   | 178308 | 72644  | R746   | 87884  | 151892 |        |        |        |
| R1043  | 261823 | 188391 | R2407  | 229870 | 143510 | R403   | 172974 | 30480  | R522   | 169164 | 53594  | R747   | 129032 | 149098 |        |        |        |
| R1044  | 296164 | 160020 | R2408  | 219202 | 180594 | R404   | 182118 | 36576  | R524   | 150622 | 65531  | R748   | 118364 | 164338 |        |        |        |
| R1045  | 268986 | 180848 | R2409  | 210058 | 157734 | R405   | 189992 | 33274  | R525   | 143510 | 61214  | R749   | 84582  | 129032 |        |        |        |
| R1046  | 262255 | 167436 | R241   | 300736 | 10160  | R406   | 186182 | 36576  | R527   | 148590 | 71374  | R750   | 94488  | 158750 |        |        |        |
| R1048  | 114046 | 205740 | R2410  | 200914 | 152146 | R407   | 146812 | 14478  | R528   | 191516 | 119126 | R751   | 150622 | 232410 |        |        |        |
| R1049  | 263652 | 184404 | R2411  | 202692 | 152146 | R409   | 160782 | 23622  | R532   | 171704 | 77470  | R752   | 158496 | 220472 |        |        |        |
| R1051  | 287020 | 43434  | R2412  | 204470 | 152146 | R410   | 210312 | 34798  | R535   | 174244 | 120650 | R754   | 152908 | 224536 |        |        |        |
| R1052  | 291084 | 43434  | R242   | 296672 | 10414  | R411   | 204978 | 18034  | R537   | 155956 | 79756  | R755   | 150622 | 230632 |        |        |        |
| R1053  | 255270 | 189484 | R243   | 287020 | 12446  | R412   | 175768 | 13716  | R538   | 154178 | 79756  | R758   | 157734 | 229616 |        |        |        |
| R1054  | 231648 | 147574 | R244   | 287020 | 14224  | R413   | 182626 | 23114  | R539   | 143510 | 115062 | R762   | 71120  | 137922 |        |        |        |
| R1056  | 303784 | 163144 | R245   | 291338 | 40386  | R414   | 185166 | 13716  | R540   | 157226 | 102108 | R765   | 82042  | 138430 |        |        |        |
| R1057  | 257810 | 184353 | R246   | 319278 | 56896  | R415   | 189230 | 23622  | R542   | 246380 | 87884  | R766   | 82042  | 144780 |        |        |        |
| R1060  | 233426 | 189230 | R247   | 310642 | 77470  | R416   | 212090 | 34798  | R544   | 168402 | 123190 | R767   | 93218  | 235966 |        |        |        |
| R1061  | 218440 | 146304 | R248   | 283464 | 9652   | R417   | 216408 | 14732  | R545   | 169164 | 113030 | R768   | 70358  | 150368 |        |        |        |
| R1802  | 138176 | 165862 | R249   | 318262 | 48514  | R421   | 223774 | 26924  | R547   | 192532 | 115062 | R769   | 58166  | 183134 |        |        |        |
| R1803  | 141732 | 162560 | R251   | 281686 | 9652   | R422   | 236474 | 26162  | R548   | 191516 | 128016 | R774   | 72898  | 180848 |        |        |        |
| R1804  | 139954 | 165862 | R252   | 287020 | 6350   | R423   | 239268 | 26162  | R549   | 169164 | 114808 | R775   | 80264  | 180086 |        |        |        |
| R1805  | 143002 | 159512 | R253   | 290322 | 93980  | R427   | 229616 | 18288  | R551   | 171196 | 118364 | R776   | 92456  | 193294 |        |        |        |
| R1806  | 146558 | 184404 | R254   | 294386 | 49276  | R428   | 246634 | 13462  | R552   | 168656 | 56896  | R777   | 77978  | 202184 |        |        |        |
| R1807  | 139700 | 177800 | R255   | 291338 | 51562  | R429   | 256032 | 13462  | R554   | 186436 | 142748 | R787   | 71882  | 229362 |        |        |        |
| R1808  | 138430 | 170434 | R256   | 296164 | 49276  | R430   | 254508 | 25146  | R555   | 146050 | 69850  | R788   | 86614  | 231648 |        |        |        |
| R1809  | 139700 | 179578 | R257   | 286004 | 57150  | R431   | 250952 | 25146  | R556   | 145542 | 65531  | R789   | 86614  | 233426 |        |        |        |
| R1810  | 135128 | 175260 | R258   | 287274 | 48006  | R432   | 258064 | 25146  | R557   | 144272 | 69850  | R801   | 204470 | 71882  |        |        |        |
| R1811  | 150876 | 191262 | R259   | 313944 | 88900  | R433   | 252730 | 25146  | R558   | 141986 | 65531  | R802   | 228854 | 69850  |        |        |        |
| R1812  | 139446 | 193548 | R301   | 246888 | 117094 | R434   | 169418 | 37338  | R559   | 146812 | 73914  | R803   | 223774 | 87884  |        |        |        |
| R1813  | 140208 | 185420 | R302   | 251460 | 116840 | R435   | 161036 | 36322  | R560   | 157734 | 79756  | R804   | 225806 | 87884  |        |        |        |
| R1814  | 136398 | 192024 | R303   | 251460 | 121412 | R437   | 267970 | 45466  | R561   | 162560 | 110998 | R805   | 230124 | 87884  |        |        |        |
| R1815  | 135382 | 186690 | R304   | 246888 | 121412 | R445   | 271907 | 39370  | R562   | 162560 | 109220 | R806   | 241046 | 68072  |        |        |        |
| R1816  | 150876 | 193040 | R308   | 250444 | 235331 | R447   | 169418 | 225806 | R601   | 104140 | 100838 | R807   | 242570 | 98552  |        |        |        |
| R1830  | 132080 | 195834 | R309   | 241300 | 231140 | R448   | 181102 | 223520 | R605   | 136906 | 100838 | R808   | 219456 | 105156 |        |        |        |
| R1837  | 168148 | 180848 | R310   | 250444 | 232029 | R449   | 265684 | 39370  | R607   | 141986 | 103378 | R809   | 202184 | 73660  |        |        |        |
| R1839  | 165100 | 204978 | R311   | 250444 | 228727 | R450   | 167386 | 37338  | R615   | 117094 | 12446  | R810   | 216916 | 105156 |        |        |        |
| R1841  | 139954 | 201676 | R312   | 244221 | 219710 | R452   | 201930 | 38862  | R622   | 244094 | 87884  | R811   | 231140 | 54356  |        |        |        |
| R1842  | 136144 | 202184 | R313   | 250444 | 222123 | R453   | 170180 | 23876  | R625   | 29972  | 80772  | R812   | 243078 | 64516  |        |        |        |
| R1843  | 150876 | 195072 | R314   | 245110 | 216662 | R454   | 212598 | 41402  | R626   | 271145 | 178866 | R813   | 240030 | 62484  |        |        |        |
| R1844  | 146050 | 195072 | R316   | 235458 | 225806 | R456   | 200406 | 42926  | R627   | 24384  | 79248  | R816   | 211074 | 59690  |        |        |        |

## CRT MODULE UNIT PWB (F7269N3) PARTS LOCATION TABLES.

Component Side.

Copper side

| Ref No | Xum    | Yum    | Ref No | Xum    | Yum    | Ref No | Xum    | Yum    | Ref No | Xum    | Yum    | Ref No | Xum   | Yum    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|--------|
| (B)    | 136906 | 10922  | C892   | 34544  | 112268 | JF3    | 25654  | 97028  | R5432  | 151384 | 35560  | R893   | 73152 | 87884  |
| (MO)   | 93726  | 10922  | C893   | 37846  | 41656  | JF4    | 10414  | 44958  | R5433  | 150114 | 20320  | R894   | 64516 | 43434  |
| (Q)    | 71374  | 11176  | C894   | 94996  | 70866  | JF5    | 25654  | 74930  | R5434  | 151384 | 33020  | R895   | 55626 | 102108 |
| (RT)   | 61214  | 49784  | C895   | 76454  | 91440  | JF6    | 10414  | 42418  | R5435  | 151384 | 38100  | R897   | 45720 | 39370  |
| C1608  | 75438  | 29718  | D1607  | 127254 | 25146  | JF7    | 28956  | 31242  | R5436  | 120650 | 88646  | REF1   | 44450 | 1524   |
| C1609  | 133350 | 19304  | D5403  | 157226 | 59182  | JF8    | 150114 | 15240  | R5437  | 121158 | 74930  | REF4   | 8382  | -2794  |
| C1610  | 107188 | 30226  | D5404  | 135636 | 104394 | L1603  | 66548  | 53848  | R5438  | 25654  | 94488  | SC861  | 87299 | 54914  |
| C1611  | 116586 | 21336  | D5405  | 143764 | 74676  | L5     | 71628  | 38354  | R5439  | 31750  | 112268 | SG860  | 68580 | 69088  |
| C1612  | 90170  | 23876  | D5408  | 139954 | 32512  | L863   | 102362 | 105918 | R5440  | 34544  | 41910  | SG861  | 81280 | 80772  |
| C1613  | 106426 | 10414  | D5409  | 139954 | 35052  | L864   | 124968 | 55118  | R5441  | 100330 | 75946  | SG862  | 76708 | 40132  |
| C1614  | 96520  | 21590  | D5410  | 122174 | 109220 | P5401  | 154432 | 76962  | R5442  | 139954 | 49022  | SG863  | 71120 | 54279  |
| C5405  | 156972 | 26924  | D5411  | 117602 | 99314  | P661   | 7620   | 73152  | R5443  | 139954 | 52578  | SG864  | 69342 | 75946  |
| C5407  | 139954 | 40132  | D851   | 29210  | 15748  | P662   | 108204 | 115570 | R5444  | 150114 | 49022  | SG865  | 91694 | 81280  |
| C5408  | 139446 | 59182  | D852   | 24384  | 8382   | Q1603  | 116840 | 10160  | R5445  | 150114 | 52578  |        |       |        |
| C5409  | 147066 | 59182  | D861   | 54102  | 72898  | Q1604  | 127508 | 10668  | R5446  | 153924 | 94234  |        |       |        |
| C5410  | 122174 | 112268 | D862   | 92456  | 99060  | Q5405  | 139954 | 43942  | R5447  | 156972 | 17526  |        |       |        |
| C5411  | 152146 | 59182  | D863   | 63500  | 33274  | Q5406  | 150114 | 43942  | R5448  | 81280  | 20574  |        |       |        |
| C5414  | 152146 | 112014 | D864   | 27686  | 38100  | Q5407  | 128905 | 97790  | R5449  | 74930  | 23114  |        |       |        |
| C5416  | 150114 | 22860  | D865   | 45720  | 46736  | Q5408  | 140970 | 68249  | R850   | 50546  | 69342  |        |       |        |
| C5417  | 140716 | 94234  | D866   | 67818  | 102108 | Q5410  | 150114 | 11176  | R851   | 78740  | 102108 |        |       |        |
| C5418  | 128270 | 77470  | D867   | 49530  | 31750  | Q5411  | 139954 | 27940  | R852   | 60198  | 31750  |        |       |        |
| C5419  | 120396 | 84582  | D868   | 50038  | 83312  | Q5412  | 150114 | 27940  | R853   | 36322  | 15748  |        |       |        |
| C5420  | 141478 | 112014 | D869   | 47498  | 83312  | Q5414  | 118364 | 94488  | R854   | 18288  | 91440  |        |       |        |
| C5421  | 146050 | 81026  | D870   | 104140 | 73406  | Q5415  | 76454  | 16002  | R855   | 33020  | 81534  |        |       |        |
| C5422  | 154686 | 59182  | D871   | 84328  | 11938  | Q851   | 33274  | 7620   | R856   | 39878  | 13970  |        |       |        |
| C5424  | 149352 | 100076 | FB850  | 43688  | 73660  | Q852   | 22352  | 81534  | R857   | 25654  | 88900  |        |       |        |
| C5425  | 80772  | 11430  | FB851  | 92202  | 112776 | Q853   | 29464  | 81534  | R858   | 37338  | 68580  |        |       |        |
| C5426  | 67056  | 17272  | FB852  | 53340  | 37084  | Q854   | 53340  | 94284  | R859   | 33782  | 15748  |        |       |        |
| C850   | 113792 | 76962  | IC1601 | 103378 | 22606  | Q855   | 37592  | 81534  | R860   | 34798  | 68580  |        |       |        |
| C851   | 17272  | 101600 | IC850  | 37338  | 60706  | Q856   | 15494  | 112268 | R861   | 64262  | 102108 |        |       |        |
| C852   | 20320  | 21590  | IC851  | 69596  | 110236 | Q857   | 25654  | 104902 | R862   | 27686  | 44196  |        |       |        |
| C853   | 14986  | 11430  | IC852  | 47498  | 23622  | Q858   | 34544  | 102870 | R863   | 32258  | 68580  |        |       |        |
| C854   | 36576  | 88900  | J1     | 25654  | 52324  | Q859   | 8382   | 31750  | R864   | 23114  | 112268 |        |       |        |
| C855   | 28702  | 112268 | J10    | 33274  | 31242  | Q860   | 19050  | 30734  | R865   | 27686  | 40640  |        |       |        |
| C856   | 16510  | 21590  | J11    | 118364 | 53848  | Q861   | 26162  | 30988  | R866   | 41910  | 31750  |        |       |        |
| C857   | 12700  | 21590  | J12    | 15240  | 69342  | R1615  | 117094 | 24130  | R867   | 37338  | 112268 |        |       |        |
| C859   | 10160  | 112268 | J13    | 61468  | 102108 | R1616  | 117602 | 26670  | R868   | 51308  | 112776 |        |       |        |
| C861   | 29718  | 68580  | J14    | 45720  | 42672  | R1617  | 124714 | 25146  | R869   | 25654  | 112268 |        |       |        |
| C862   | 51308  | 115824 | J15    | 68834  | 7874   | R1618  | 117602 | 29210  | R870   | 39878  | 112268 |        |       |        |
| C863   | 55626  | 88392  | J16    | 87884  | 18288  | R1619  | 78740  | 34036  | R871   | 119126 | 38100  |        |       |        |
| C865   | 38862  | 31750  | J17    | 9906   | 21590  | R1620  | 70104  | 29464  | R872   | 33528  | 52578  |        |       |        |
| C868   | 102362 | 87884  | J18    | 8890   | 52324  | R1621  | 94996  | 15240  | R873   | 42418  | 112268 |        |       |        |
| C869   | 76200  | 80010  | J19    | 106680 | 97536  | R1622  | 133350 | 15494  | R874   | 14986  | 31750  |        |       |        |
| C871   | 30226  | 52578  | J20    | 109982 | 22606  | R1623  | 118872 | 14732  | R875   | 65531  | 115570 |        |       |        |
| C874   | 58674  | 102108 | J21    | 104140 | 70866  | R1624  | 120142 | 18542  | R876   | 49784  | 10922  |        |       |        |
| C877   | 43434  | 13462  | J23    | 93218  | 95758  | R1801  | 15240  | 65531  | R880   | 45466  | 50038  |        |       |        |
| C880   | 43434  | 54356  | J24    | 102362 | 104648 | R5415  | 125984 | 98298  | R881   | 35814  | 31750  |        |       |        |
| C881   | 47244  | 69342  | J25    | 133604 | 24384  | R5416  | 136906 | 59182  | R882   | 12446  | 31750  |        |       |        |
| C882   | 72136  | 102108 | J3     | 15240  | 71882  | R5417  | 141986 | 59182  | R883   | 85090  | 116332 |        |       |        |
| C883   | 75438  | 102108 | J4     | 15240  | 62865  | R5418  | 144526 | 59182  | R884   | 55118  | 14478  |        |       |        |
| C884   | 54864  | 18796  | J5     | 52324  | 7112   | R5419  | 149606 | 59182  | R885   | 22352  | 30734  |        |       |        |
| C885   | 57150  | 31750  | J6     | 52832  | 102108 | R5420  | 130555 | 108458 | R886   | 44450  | 31750  |        |       |        |
| C887   | 19558  | 42672  | J7     | 27178  | 68580  | R5421  | 136906 | 83312  | R887   | 58166  | 72898  |        |       |        |
| C888   | 25654  | 100584 | J8     | 23114  | 52324  | R5424  | 148082 | 87630  | R888   | 65531  | 64008  |        |       |        |
| C889   | 19812  | 112268 | J9     | 61214  | 82042  | R5425  | 125476 | 116332 | R889   | 82042  | 100330 |        |       |        |
| C890   | 139954 | 37592  | JF1    | 101600 | 78486  | R5427  | 151384 | 40640  | R891   | 86360  | 85344  |        |       |        |
| C891   | 36576  | 94488  | JF2    | 10922  | 94488  | R5431  | 150114 | 17780  | R892   | 66802  | 31496  |        |       |        |

No parts.



## FRONT A/V UNIT PWB (F7306N0B)

## PARTS LOCATION TABLES.

Component Side. Copper side

| Ref No | Xum   | Yum   | Ref No | Xum   | Yum   |
|--------|-------|-------|--------|-------|-------|
| (CC)   | 60426 | 14224 | C336   | 79730 | 34290 |
| (FV)   | 49504 | 14224 | C337   | 78460 | 25654 |
| (J)    | 82270 | 11734 | C428   | 19786 | 25908 |
| (SS)   | 32232 | 14224 | C429   | 29438 | 25908 |
| CN4    | 79984 | 40005 | JF1    | 53568 | 27432 |
| J401   | 63500 | 40005 | JF2    | 55600 | 27432 |
| L317   | 74955 | 18084 | JF3    | 57886 | 27432 |
| L318   | 21564 | 20574 | R316   | 78460 | 22098 |
| R449   | 50266 | 22860 | R317   | 80492 | 22098 |

## DINAMIC FOCUS UNIT PWB (F7271N3)

## PARTS LOCATION TABLES.

Component Side. Copper side

| Ref No | Xum    | Yum   | Ref No | Xum   | Yum   |
|--------|--------|-------|--------|-------|-------|
| (EW)   | 93472  | 14478 | C1705  | 54864 | 29718 |
| (F)    | 130048 | 38862 | C1706  | 46482 | 38100 |
| (FF)   | 121158 | 38862 | D1603  | 84836 | 42926 |
| (L5)   | 83566  | 56134 | D1604  | 84836 | 40640 |
| (L6)   | 30226  | 54102 | D1605  | 86868 | 47244 |
| (MO)   | 99060  | 46736 | D1701  | 24638 | 29718 |
| (PWA)  | 66294  | 57150 | D1702  | 27432 | 29718 |
| (PWB)  | 52070  | 57150 | IC1701 | 47752 | 30226 |
| C1601  | 170688 | 12192 | R1609  | 92964 | 39624 |
| C1602  | 174498 | 12192 | R1610  | 92202 | 47752 |
| C1603  | 176276 | 20574 | R1611  | 96012 | 43942 |
| C1604  | 97028  | 55880 | R1612  | 84836 | 46228 |
| C1605  | 89408  | 45212 | R1613  | 84836 | 50546 |
| C1612  | 90170  | 22352 | R1701  | 15494 | 45974 |
| C1613  | 101346 | 36830 | R1702  | 21844 | 45974 |
| C1701  | 14732  | 52832 | R1703  | 27940 | 45974 |
| C1702  | 33782  | 9144  | R1704  | 36322 | 54102 |
| C1703  | 41402  | 39116 | R1705  | 40894 | 51562 |
| C1704  | 53594  | 14986 | R1706  | 41402 | 46990 |
| C1707  | 58928  | 46482 | R1707  | 25146 | 23622 |
| D1601  | 115570 | 46990 | R1708  | 36068 | 25400 |
| D1602  | 188214 | 32512 | R1711  | 46482 | 40132 |
| D1606  | 202438 | 45212 | R1712  | 58674 | 30988 |
| D1703  | 61214  | 28956 | R1713  | 60452 | 27178 |
| FOCO   | 213995 | 32512 | R1714  | 67056 | 28702 |
| IC1601 | 90424  | 33020 | R1715  | 67056 | 35052 |
| J12    | 48514  | 33020 |        |       |       |
| J13    | 111760 | 54356 |        |       |       |
| J3     | 103886 | 42926 |        |       |       |
| J9     | 110490 | 21590 |        |       |       |
| L1601  | 107442 | 21844 |        |       |       |
| PRDAR5 | 40894  | 16510 |        |       |       |
| Q1601  | 183007 | 32512 |        |       |       |
| Q1602  | 198628 | 38100 |        |       |       |
| Q1701  | 43840  | 16510 |        |       |       |
| R1601  | 174752 | 32258 |        |       |       |
| R1602  | 131826 | 53848 |        |       |       |
| R1603  | 156210 | 53848 |        |       |       |
| R1604  | 171196 | 45466 |        |       |       |
| R1605  | 190754 | 45212 |        |       |       |
| R1606  | 197332 | 45212 |        |       |       |
| R1607  | 199872 | 45212 |        |       |       |
| R1608  | 194818 | 45212 |        |       |       |
| R1625  | 197104 | 33528 |        |       |       |
| R1626  | 115316 | 6350  |        |       |       |
| R1627  | 84328  | 7112  |        |       |       |
| R1628  | 108966 | 54356 |        |       |       |
| R1709  | 38100  | 24130 |        |       |       |
| R1710  | 53086  | 31750 |        |       |       |
| REF1   | 236474 | 16764 |        |       |       |
| T1602  | 151384 | 27432 |        |       |       |
| T1701  | 20828  | 29718 |        |       |       |
| TOR1   | 13462  | 5080  |        |       |       |
| TOR2   | 132334 | 6350  |        |       |       |
| TOR3   | 232664 | 6096  |        |       |       |
| TOR4   | 232918 | 58674 |        |       |       |
| TOR5   | 131318 | 59436 |        |       |       |
| TOR6   | 18542  | 60198 |        |       |       |

DIGITAL MODULE UNIT PWB  
(F7305N0B) PARTS LOCATION TABLES

Component Side. Copper side

| Ref No | Xum    | Yum   | Ref No | Xum    | Yum   |
|--------|--------|-------|--------|--------|-------|
| (A)    | 96774  | 29972 | C6702  | 101600 | 52578 |
| (H)    | 35814  | 19558 | C6703  | 113792 | 52578 |
| (PW)   | 96774  | 20828 | C6704  | 125476 | 52578 |
| D6701  | 46990  | 30988 | C6705  | 137668 | 52578 |
| D6702  | 109728 | 25908 | C6715  | 172720 | 51562 |
| D6751  | 183515 | 52400 | R6738  | 191516 | 55372 |
| D6752  | 195503 | 52400 | R6739  | 191516 | 49022 |
| F6701  | 99314  | 9144  |        |        |       |
| IC6701 | 151485 | 58648 |        |        |       |
| IC6708 | 171500 | 57962 |        |        |       |
| LP6701 | 88493  | 51968 |        |        |       |
| OPC    | 181102 | 9398  |        |        |       |
| R6701  | 66802  | 49784 |        |        |       |
| R6702  | 96774  | 37338 |        |        |       |
| R6751  | 179222 | 29286 |        |        |       |
| RC     | 153670 | 8890  |        |        |       |
| REF3   | 121666 | 22606 |        |        |       |
| S6701  | 66497  | 62484 |        |        |       |
| S6702  | 101498 | 49987 |        |        |       |
| S6703  | 113487 | 49987 |        |        |       |
| S6704  | 125501 | 49987 |        |        |       |
| S6705  | 137490 | 49987 |        |        |       |
| ST     | 193802 | 9398  |        |        |       |
| SW1    | 123190 | 8890  |        |        |       |
| SW2    | 135890 | 8890  |        |        |       |

## DIGITAL MODULE UNIT (F7295N0B) PWB PARTS LOCATION TABLES.

Component Side.

Copper side

| Ref No | Xum    | Yum   |
|--------|--------|-------|
| (KA)   | 115620 | 52527 |
| (RGB)  | 138938 | 52527 |
| C6009  | 69596  | 29718 |
| C6014  | 148082 | 52578 |
| C6016  | 147574 | 43434 |
| C6021  | 111760 | 24384 |
| C6023  | 136144 | 17780 |
| C6027  | 18796  | 30734 |
| C6030  | 18796  | 39624 |
| C6034  | 31750  | 51562 |
| C6035  | 13208  | 45212 |
| C6065  | 36576  | 24130 |
| C6069  | 11430  | 52832 |
| C6079  | 88900  | 20574 |
| C6083  | 148844 | 20320 |
| IC6002 | 83058  | 37846 |
| IC6003 | 131063 | 33528 |
| IC6005 | 7620   | 45212 |
| Q6003  | 7620   | 36576 |
| R6050  | 7620   | 31750 |
| X1003  | 125222 | 16510 |
| X6001  | 21336  | 51816 |
| X6002  | 79756  | 52324 |
| Y(A)   | 23495  | 8686  |
| Y(B)   | 75768  | 8686  |
| Y(C)   | 125730 | 8686  |

| Ref No | Xum    | Yum   |
|--------|--------|-------|
| C6001  | 43180  | 45466 |
| C6002  | 16764  | 45212 |
| C6004  | 47244  | 39878 |
| C6005  | 16764  | 43180 |
| C6006  | 38100  | 47498 |
| C6007  | 38100  | 45466 |
| C6008  | 25400  | 34798 |
| C6010  | 48260  | 35814 |
| C6011  | 74930  | 37338 |
| C6012  | 79502  | 30480 |
| C6013  | 90932  | 42418 |
| C6015  | 141732 | 45466 |
| C6017  | 141986 | 41910 |
| C6018  | 140462 | 48768 |
| C6019  | 138684 | 48768 |
| C6020  | 133350 | 48768 |
| C6022  | 117856 | 36576 |
| C6024  | 136144 | 19304 |
| C6025  | 16764  | 47244 |
| C6026  | 48260  | 33782 |
| C6028  | 29464  | 30226 |
| C6029  | 25400  | 38608 |
| C6031  | 18796  | 49276 |
| C6032  | 26416  | 49276 |
| C6033  | 31750  | 50038 |
| C6036  | 26162  | 44704 |
| C6037  | 48260  | 31750 |
| C6038  | 30734  | 21590 |
| C6039  | 10414  | 22860 |
| C6040  | 12192  | 22860 |
| C6041  | 84582  | 44704 |
| C6042  | 74422  | 41402 |
| C6043  | 12192  | 18034 |
| C6044  | 75184  | 47244 |
| C6045  | 77724  | 47244 |
| C6046  | 14478  | 22860 |
| C6047  | 16256  | 22860 |
| C6048  | 85344  | 30480 |
| C6049  | 91694  | 36576 |
| C6050  | 16256  | 18034 |
| C6051  | 28702  | 21590 |
| C6052  | 26670  | 21590 |
| C6053  | 6350   | 22860 |
| C6054  | 8128   | 22860 |
| C6055  | 31242  | 14478 |
| C6056  | 35306  | 14478 |
| C6057  | 8128   | 18034 |
| C6058  | 39370  | 14478 |
| C6059  | 43688  | 14224 |
| C6060  | 22606  | 22860 |
| C6061  | 18542  | 22860 |
| C6062  | 20320  | 22860 |
| C6063  | 29210  | 14478 |
| C6064  | 141986 | 31496 |
| C6066  | 36576  | 30226 |
| C6067  | 99568  | 19812 |
| C6068  | 5334   | 40894 |
| C6070  | 20320  | 18034 |
| C6072  | 127508 | 19050 |
| C6073  | 122936 | 19050 |
| C6074  | 45720  | 17780 |
| C6078  | 85090  | 20066 |
| C6081  | 62992  | 24638 |
| C6082  | 141986 | 35839 |
| C6084  | 43942  | 31750 |

| Ref No | Xum    | Yum   |
|--------|--------|-------|
| C6085  | 43942  | 29718 |
| C6109  | 62992  | 20320 |
| C6110  | 68834  | 24638 |
| C6201  | 21082  | 5842  |
| C6202  | 16002  | 5842  |
| C6203  | 25908  | 5842  |
| C6204  | 30988  | 5842  |
| C6205  | 33528  | 5842  |
| C6206  | 65786  | 5842  |
| C6207  | 68326  | 5842  |
| C6208  | 61214  | 6858  |
| C6209  | 70866  | 5842  |
| C6211  | 73152  | 5842  |
| C6212  | 89408  | 5842  |
| C6213  | 83312  | 5842  |
| C6214  | 78232  | 5842  |
| C6215  | 131572 | 48768 |
| C6216  | 135128 | 48768 |
| C6217  | 136906 | 48768 |
| C6218  | 116586 | 5588  |
| C6219  | 114554 | 5588  |
| C6220  | 135890 | 5588  |
| C6221  | 133350 | 5588  |
| C6222  | 130809 | 5588  |
| C6223  | 128270 | 5588  |
| C6224  | 125730 | 5588  |
| C6225  | 123190 | 5588  |
| C6226  | 120650 | 5588  |
| C6227  | 118618 | 5588  |
| C6228  | 121920 | 49530 |
| C6229  | 124460 | 49530 |
| C6230  | 104648 | 54356 |
| C6231  | 116840 | 49530 |
| C6232  | 108204 | 55118 |
| C6233  | 114554 | 49530 |
| C6234  | 119380 | 49530 |
| C6236  | 10922  | 5842  |
| C6306  | 38608  | 5842  |
| D6001  | 106172 | 15748 |
| D6002  | 104394 | 18542 |
| D6004  | 141986 | 20066 |
| D6005  | 99568  | 22098 |
| D6006  | 104140 | 9144  |
| D6007  | 45720  | 20066 |
| D6008  | 80264  | 22352 |
| D6010  | 62738  | 22352 |
| D6013  | 138684 | 34036 |
| D6014  | 132588 | 34290 |
| D6015  | 132588 | 36322 |
| FB6205 | 104140 | 5334  |
| FB6206 | 83312  | 12700 |
| FB6207 | 97028  | 5334  |
| FB6208 | 73152  | 13208 |
| FB6210 | 118110 | 13208 |
| FB6211 | 115062 | 13208 |
| FB6212 | 112014 | 13208 |
| IC6001 | 36322  | 37592 |
| IC6006 | 93218  | 20574 |
| JF1    | 34290  | 37592 |
| JF2    | 71882  | 48514 |
| JF3    | 43942  | 33782 |
| JF4    | 132588 | 36322 |
| JF5    | 145796 | 35052 |
| L6001  | 46482  | 51562 |

| Ref No | Xum    | Yum   |
|--------|--------|-------|
| L6002  | 31750  | 55118 |
| L6003  | 47244  | 46482 |
| L6004  | 73152  | 33782 |
| L6005  | 108966 | 20066 |
| L6006  | 125730 | 40386 |
| L6007  | 136144 | 23622 |
| L6008  | 56642  | 5334  |
| L6009  | 40132  | 51562 |
| L6010  | 16510  | 34544 |
| L6012  | 37338  | 19812 |
| L6013  | 56642  | 8128  |
| L6014  | 57404  | 10922 |
| L6015  | 57404  | 13716 |
| L6017  | 50546  | 46482 |
| Q6006  | 88900  | 53848 |
| Q6008  | 91694  | 12954 |
| Q6021  | 45974  | 23368 |
| Q6022  | 56642  | 19558 |
| Q6023  | 69088  | 19050 |
| Q6024  | 74930  | 19050 |
| Q6025  | 122428 | 36068 |
| Q6026  | 132334 | 31242 |
| Q6027  | 23368  | 14478 |
| R6001  | 10414  | 18034 |
| R6002  | 14478  | 18034 |
| R6003  | 6350   | 18034 |
| R6004  | 27178  | 14478 |
| R6005  | 142240 | 48768 |
| R6006  | 131572 | 51816 |
| R6007  | 129794 | 48768 |
| R6008  | 58166  | 47752 |
| R6009  | 62230  | 46482 |
| R6010  | 62230  | 43942 |
| R6011  | 58166  | 45212 |
| R6012  | 58166  | 35052 |
| R6013  | 58166  | 42672 |
| R6014  | 62230  | 41402 |
| R6015  | 58166  | 40132 |
| R6016  | 62230  | 38862 |
| R6017  | 58166  | 37592 |
| R6018  | 62230  | 36322 |
| R6019  | 58166  | 33020 |
| R6020  | 106934 | 43942 |
| R6021  | 102870 | 42672 |
| R6022  | 106934 | 41402 |
| R6023  | 102870 | 40132 |
| R6024  | 106934 | 38862 |
| R6025  | 102870 | 37592 |
| R6026  | 106934 | 36322 |
| R6027  | 102870 | 35052 |
| R6028  | 106934 | 33782 |
| R6029  | 102870 | 32512 |
| R6030  | 106934 | 31242 |
| R6031  | 102870 | 29972 |
| R6032  | 141986 | 37871 |
| R6035  | 136144 | 21082 |
| R6036  | 107442 | 13716 |
| R6037  | 105156 | 22098 |
| R6038  | 143002 | 23368 |
| R6039  | 138684 | 14478 |
| R6040  | 146558 | 31750 |
| R6041  | 141986 | 33274 |
| R6042  | 141986 | 29718 |
| R6043  | 136144 | 38125 |
| R6048  | 107442 | 11684 |

| Ref No | Xum    | Yum   |
|--------|--------|-------|
| R6049  | 105156 | 24384 |
| R6051  | 10414  | 40894 |
| R6052  | 4064   | 47752 |
| R6054  | 11176  | 52070 |
| R6068  | 139700 | 6096  |
| R6069  | 87884  | 12954 |
| R6071  | 37338  | 14478 |
| R6072  | 41402  | 14478 |
| R6073  | 45720  | 14224 |
| R6074  | 33274  | 14478 |
| R6075  | 18542  | 18034 |
| R6080  | 58166  | 50292 |
| R6081  | 62230  | 49022 |
| R6082  | 102870 | 49784 |
| R6083  | 102870 | 47752 |
| R6084  | 106934 | 46482 |
| R6086  | 85090  | 18034 |
| R6087  | 58166  | 52832 |
| R6088  | 56642  | 24638 |
| R6089  | 136652 | 34544 |
| R6090  | 99568  | 24638 |
| R6092  | 102870 | 45212 |
| R6095  | 62230  | 51562 |
| R6096  | 51308  | 20574 |
| R6097  | 51308  | 18542 |
| R6098  | 51308  | 22606 |
| R6099  | 51308  | 24638 |
| R6100  | 56642  | 22606 |
| R6101  | 62992  | 18288 |
| R6102  | 74930  | 22352 |
| R6103  | 80264  | 24638 |
| R6104  | 74930  | 24638 |
| R6105  | 80264  | 20066 |
| R6106  | 68834  | 22352 |
| R6107  | 80264  | 18034 |
| R6117  | 93726  | 52070 |
| R6118  | 62230  | 54102 |
| R6123  | 122682 | 31242 |
| R6124  | 127508 | 35814 |
| R6125  | 137414 | 29718 |
| R6126  | 122682 | 33020 |
| R6127  | 140970 | 23368 |
| R6128  | 127508 | 33020 |
| R6129  | 127508 | 31242 |
| R6130  | 23368  | 11176 |
| R6307  | 108966 | 7874  |

## DESCRIPTION OF SCHEMATIC DIAGRAM

### SAFETY NOTE:

1. DISCONNECT THE AC PLUG FROM THE AC OUTLET BEFORE REPLACING PARTS.

2. SEMICONDUCTOR HEAT SINKS SHOULD BE REGARDED AS POTENTIAL SHOCK HAZARDS WHEN THE CHASSIS IS OPERATING.

### IMPORTANT SAFETY NOTE:

PARTS MARKED WITH « $\Delta$ » ( ) ARE IMPORTANT FOR MAINTAINING THE SAFETY OF THE SET. BE SURE TO REPLACE THESE PARTS WITH SPECIFIED ONES FOR MAINTAINING THE SAFETY AND PERFORMANCE OF THE SET.

### SERVICE PRECAUTION:

THE AREA ENCLOSED BY THIS LINE (---) IS DIRECTLY CONNECTED WITH AC MAINS VOLTAGE.

WHEN SERVICING THE AREA, CONNECT AN ISOLATING TRANSFORMER BETWEEN TV RECEIVER AND AC LINE TO ELIMINATE HAZARD OF ELECTRIC SHOCK.

### NOTE:

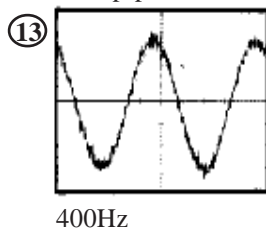
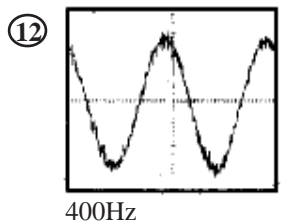
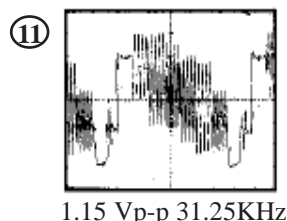
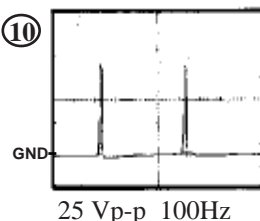
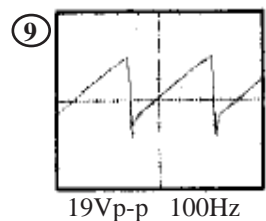
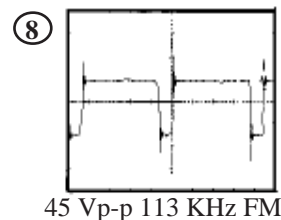
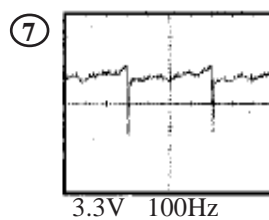
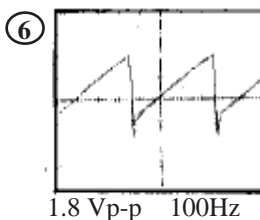
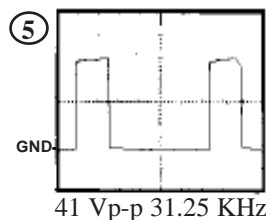
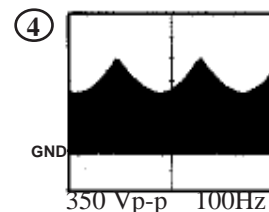
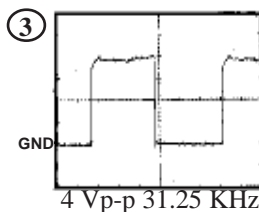
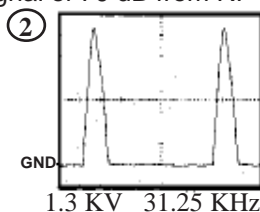
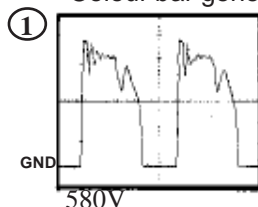
1. The unit of resistance «ohm» is omitted (K=1000 ohms. M= Megaohm).
2. All resistors are 1/8 watt. unless otherwise noted.
3. All capacitors are mF, unless otherwise noted (P= mmF).
4. The capacitor with Part No. RC-FZ9XXXBMNJ is designed to with stand 63V.
5. The capacitor with Part No. RC-FZ4XXXBMNJ is designed to with stand 50V.

### CAUTION

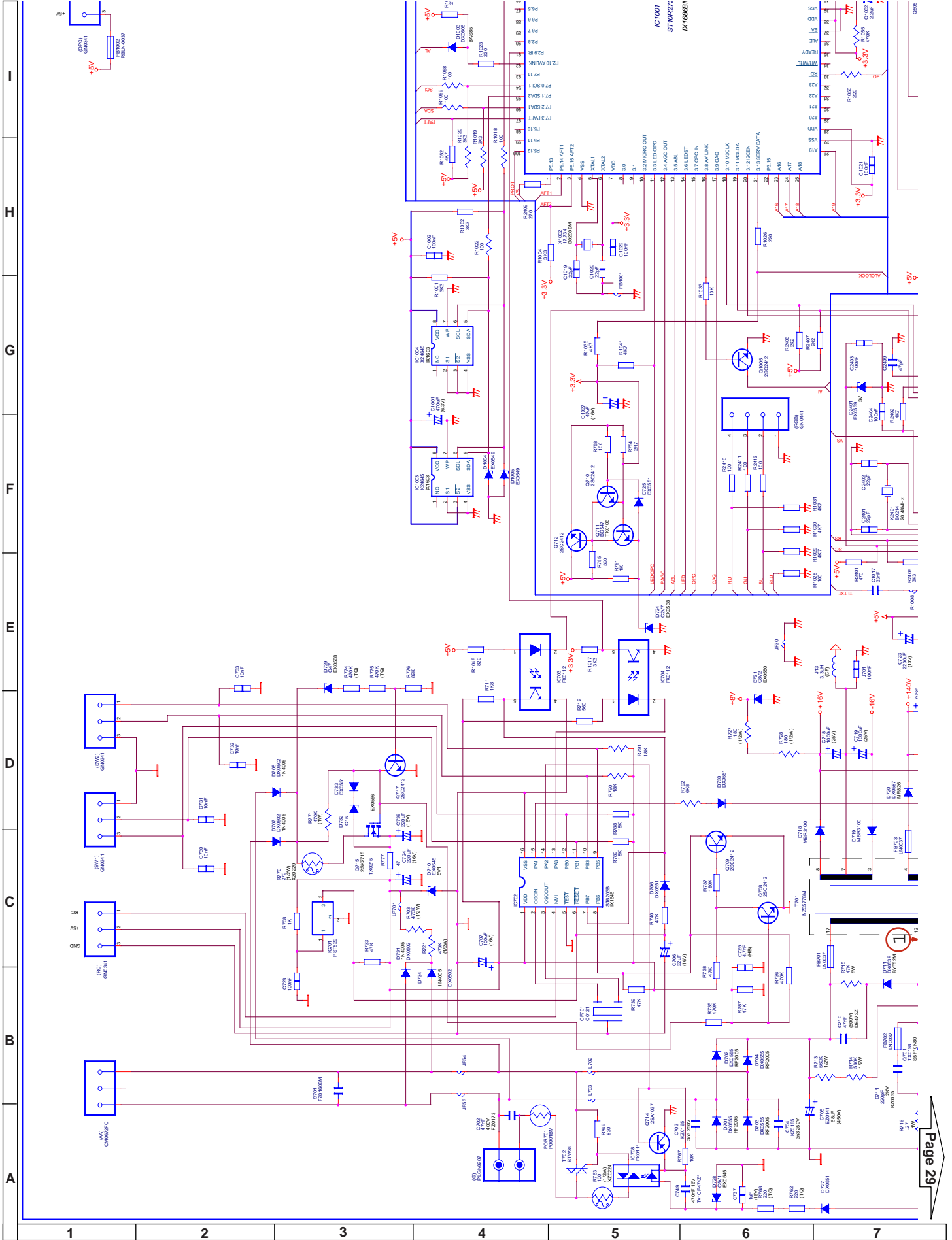
This circuit diagram is original one, therefore there may be light difference from yours.

### WAVEFORM MEASUREMENT CONDITION:

Colour bar generator signal of 70 dB from RF input.

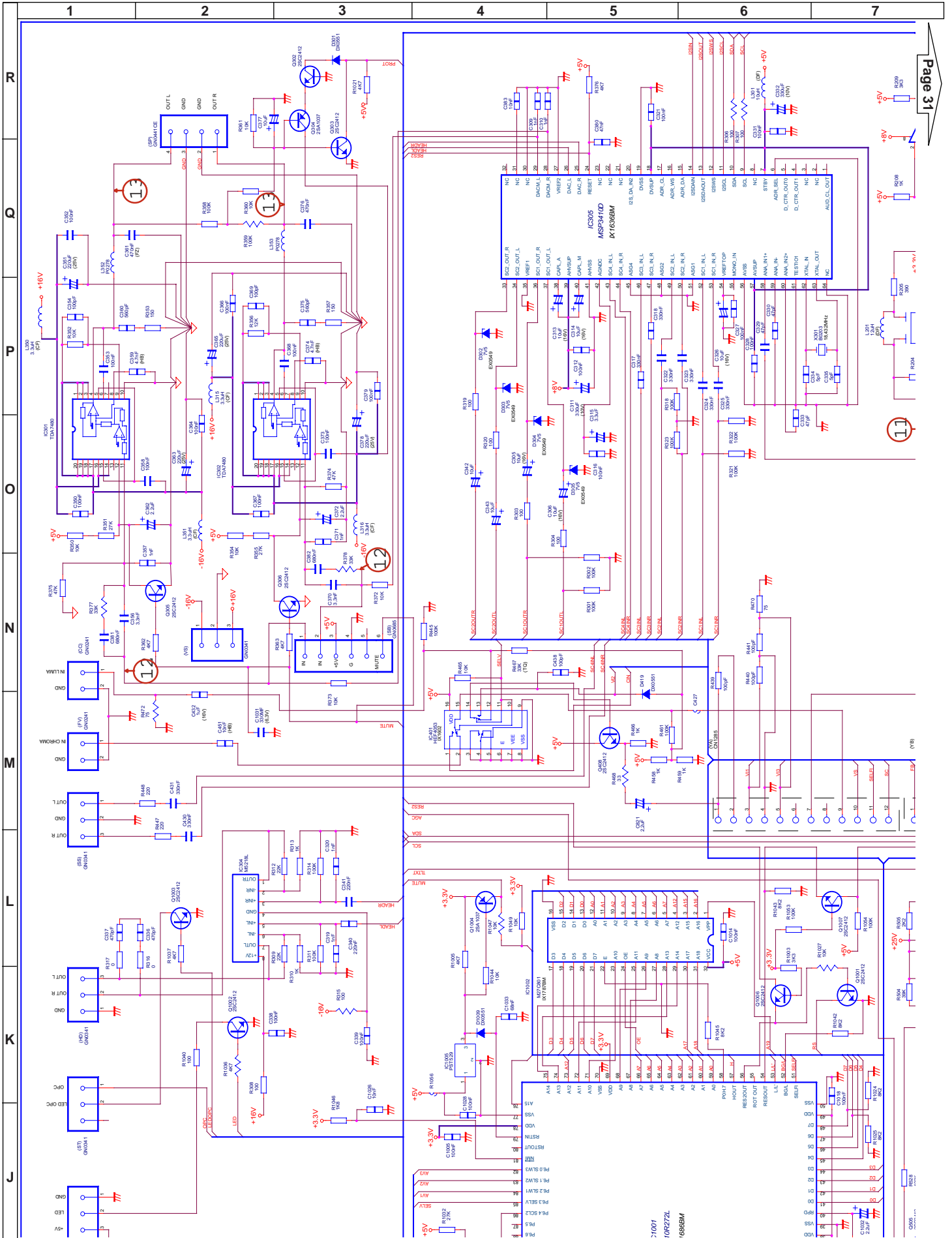


# SCHEMATIC DIAGRAM OF MOTHER UNIT (K7293N5A), 00 Version.





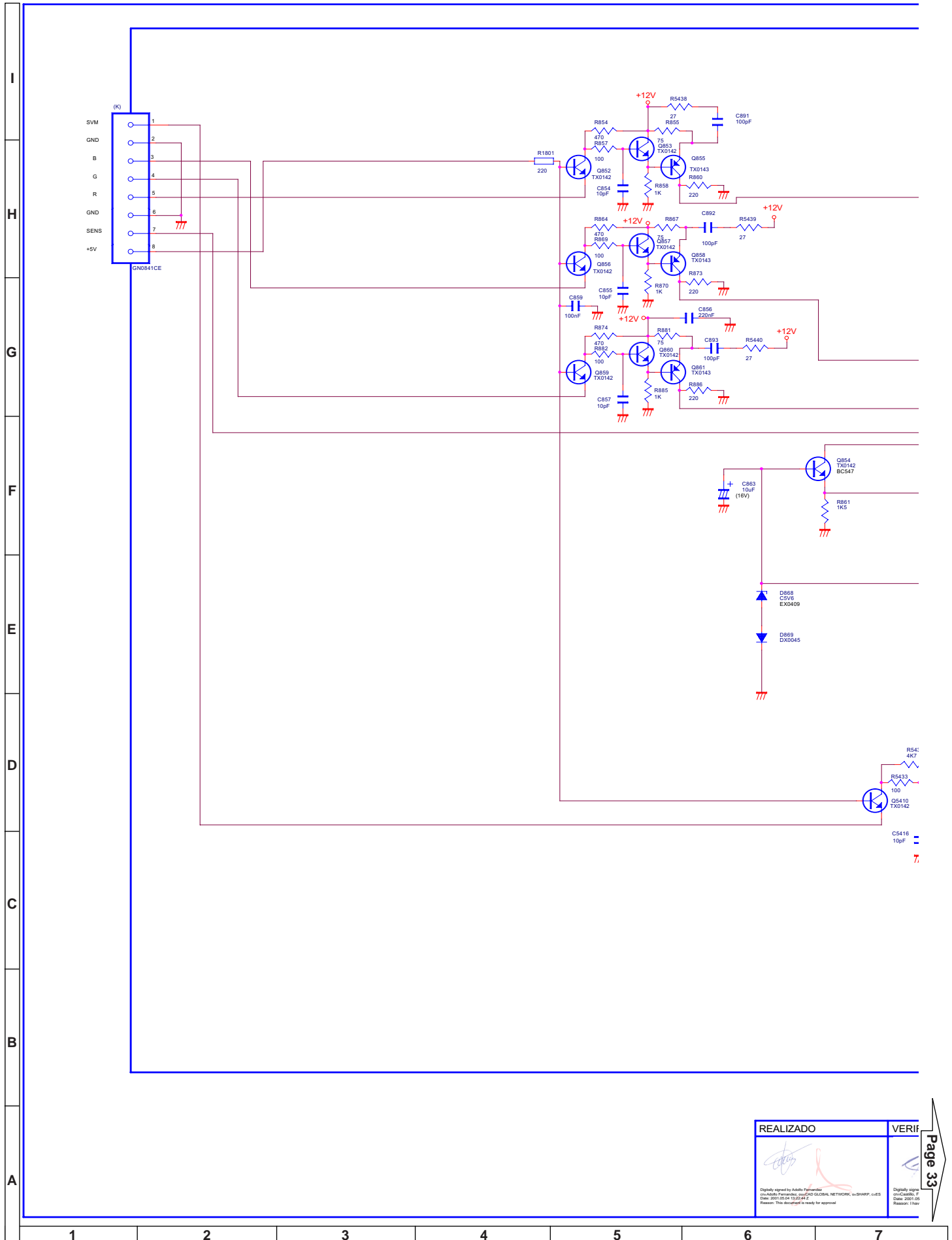
SCHEMATIC DIAGRAM OF MOTHER UNIT (K7293N5A), 00 Version.







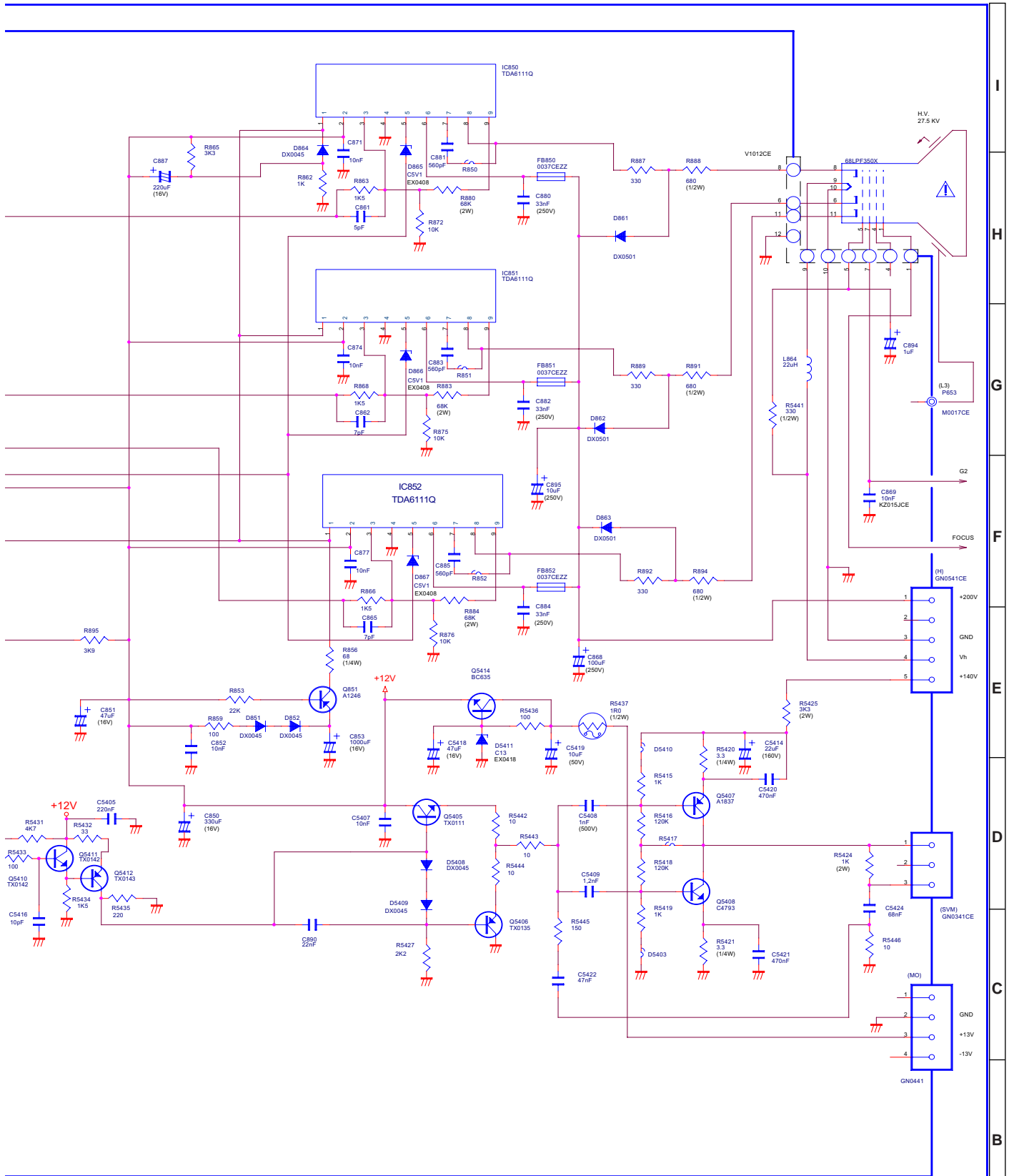
### SCHEMATIC DIAGRAM OF CRT MODULE UNIT (F7269N3), 00 Version.



| REALIZADO   | VERIF  |
|---|--|
|   |  |
| Digitally signed by Asahel Ferrnandez<br>DN: cn=Asahel Ferrnandez, ou=CDS GLOBAL NETWORK, o=SHARP, c=ES<br>Date: 2017.05.04 13:22:41 Z<br>Reason: This document is ready for approval | Digitally signed by<br>DN: cn=Chadler, f<br>Date: 2017.05<br>Reason: 1 day |



**SCHEMATIC DIAGRAM OF CRT MODULE UNIT (F7269N3), 00 Version.**

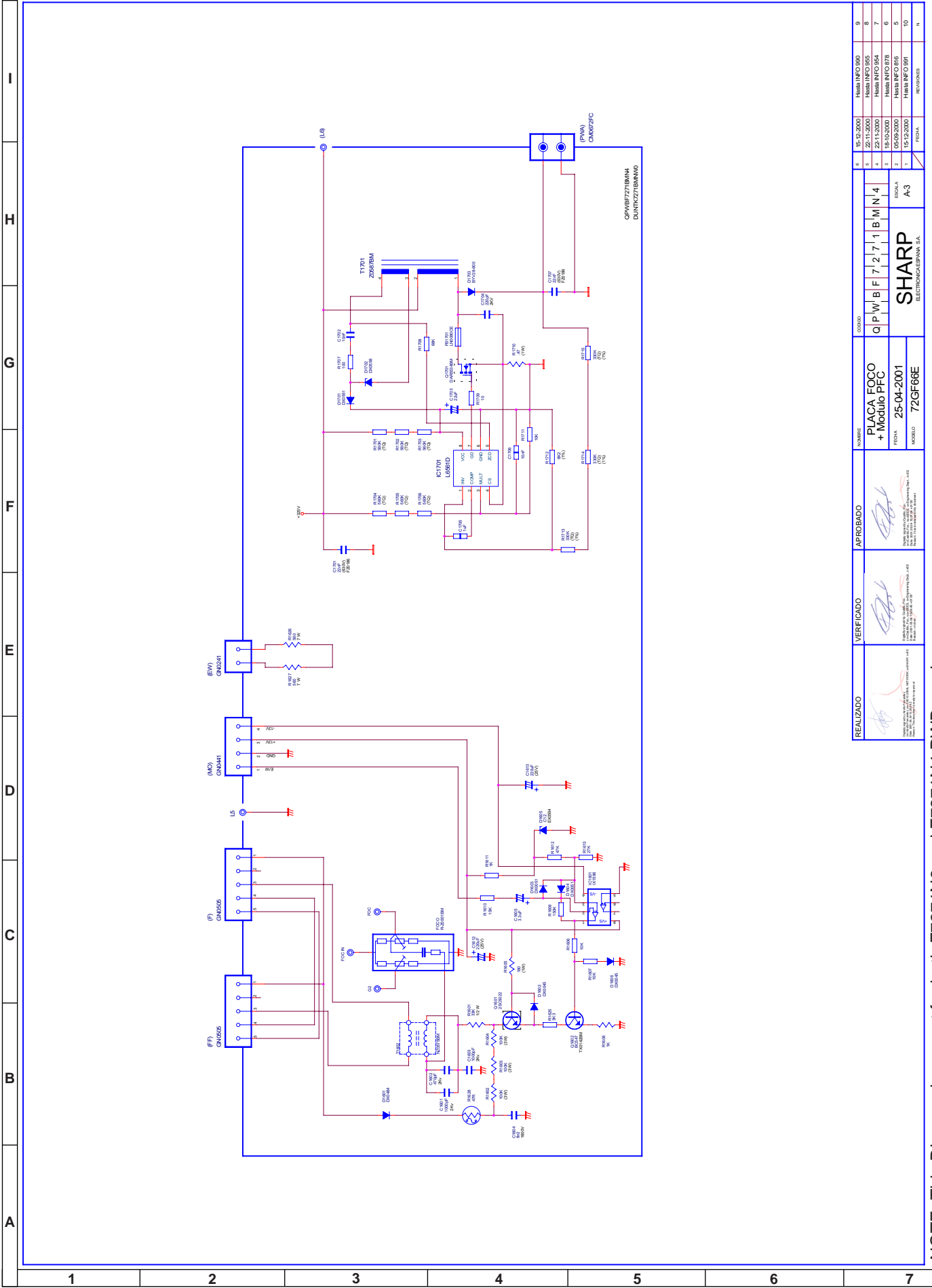


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| VERIFICADO | APROBADO | NOMBRE       | CODIGO                    | 8          | FECHA          | REVISIONES |
|------------|----------|--------------|---------------------------|------------|----------------|------------|
|            |          | PLACA T.R.C. | Q P W B F 7 2 6 9 B M N 2 | 21-12-2000 | Hasta INFO 998 | 5          |
|            |          | FECHA        |                           | 07-11-2000 | Hasta INFO 922 | 4          |
|            |          | MODELO       |                           | 15-06-2000 | Hasta INFO 715 | 3          |
|            |          |              |                           | 16-03-2000 | Hasta INFO 597 | 2          |
|            |          |              |                           | 14-03-2000 | Hasta INFO 589 | 1          |
|            |          |              |                           |            |                | N          |



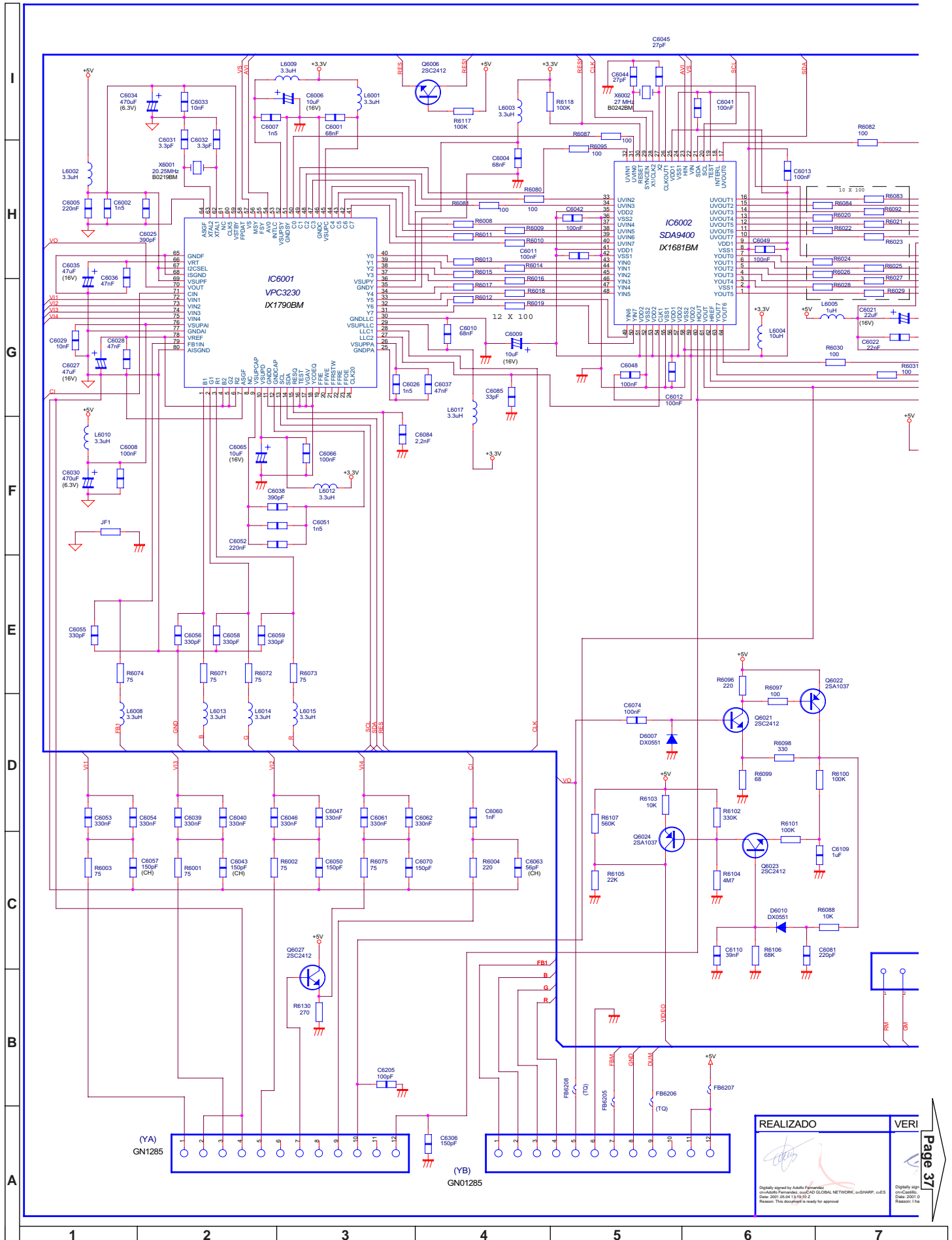
**SCHEMATIC DIAGRAM OF DINAMIC FOCUS UNIT (F7271), 00 Version.**



|           |            |          |                         |        |   |   |   |   |   |   |   |   |   |   |   |   |   |                 |
|-----------|------------|----------|-------------------------|--------|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------------|
| REALIZADO | VERIFICADO | APROBADO | NO. REVISE              | 200000 | Q | P | W | B | F | 7 | 2 | 7 | 1 | B | M | N | 4 | 9               |
|           |            |          | PIACA FOCO + Medulo PFC |        |   |   |   |   |   |   |   |   |   |   |   |   |   | Health INFO 960 |
|           |            |          | FECHA 25-04-2001        |        |   |   |   |   |   |   |   |   |   |   |   |   |   | Health INFO 955 |
|           |            |          | MODELO 72GF66E          |        |   |   |   |   |   |   |   |   |   |   |   |   |   | Health INFO 954 |
|           |            |          |                         |        |   |   |   |   |   |   |   |   |   |   |   |   |   | Health INFO 978 |
|           |            |          |                         |        |   |   |   |   |   |   |   |   |   |   |   |   |   | Health INFO 976 |
|           |            |          |                         |        |   |   |   |   |   |   |   |   |   |   |   |   |   | Health INFO 991 |
|           |            |          |                         |        |   |   |   |   |   |   |   |   |   |   |   |   |   | Health INFO 991 |
|           |            |          |                         |        |   |   |   |   |   |   |   |   |   |   |   |   |   | REVISOR         |
|           |            |          |                         |        |   |   |   |   |   |   |   |   |   |   |   |   |   | N               |

NOTE: This Diagram is correct for both F7271N3 and F7271N4 PWB versions.

# SCHEMATIC DIAGRAM OF DIGITAL MODULE UNIT (F7295N0A), 00 Version.

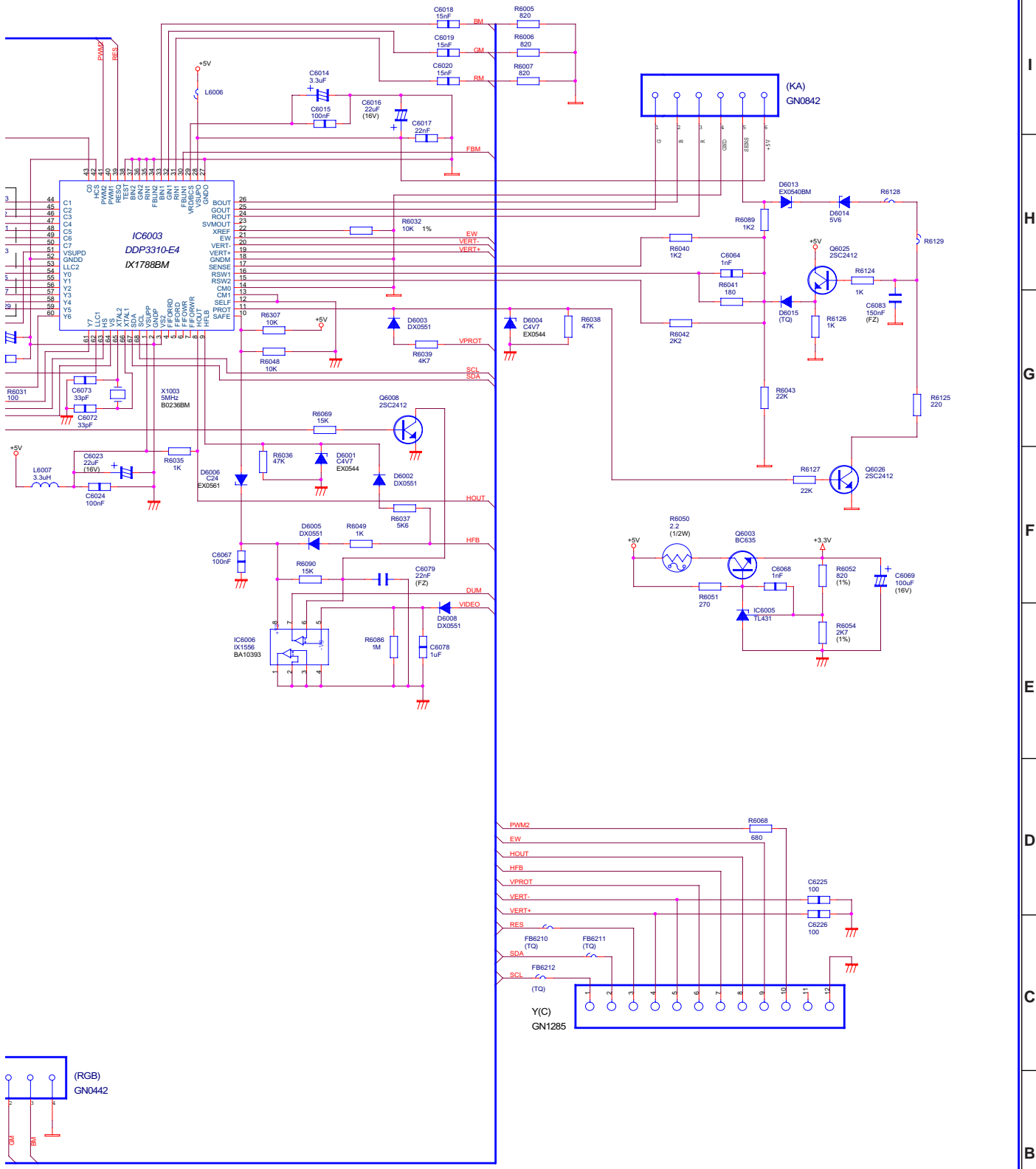


| REALIZADO | VERI |
|-----------|------|
|           |      |

Digitally signed by Reason: This document is ready for approval

Digitally signed by Reason: This document is ready for approval

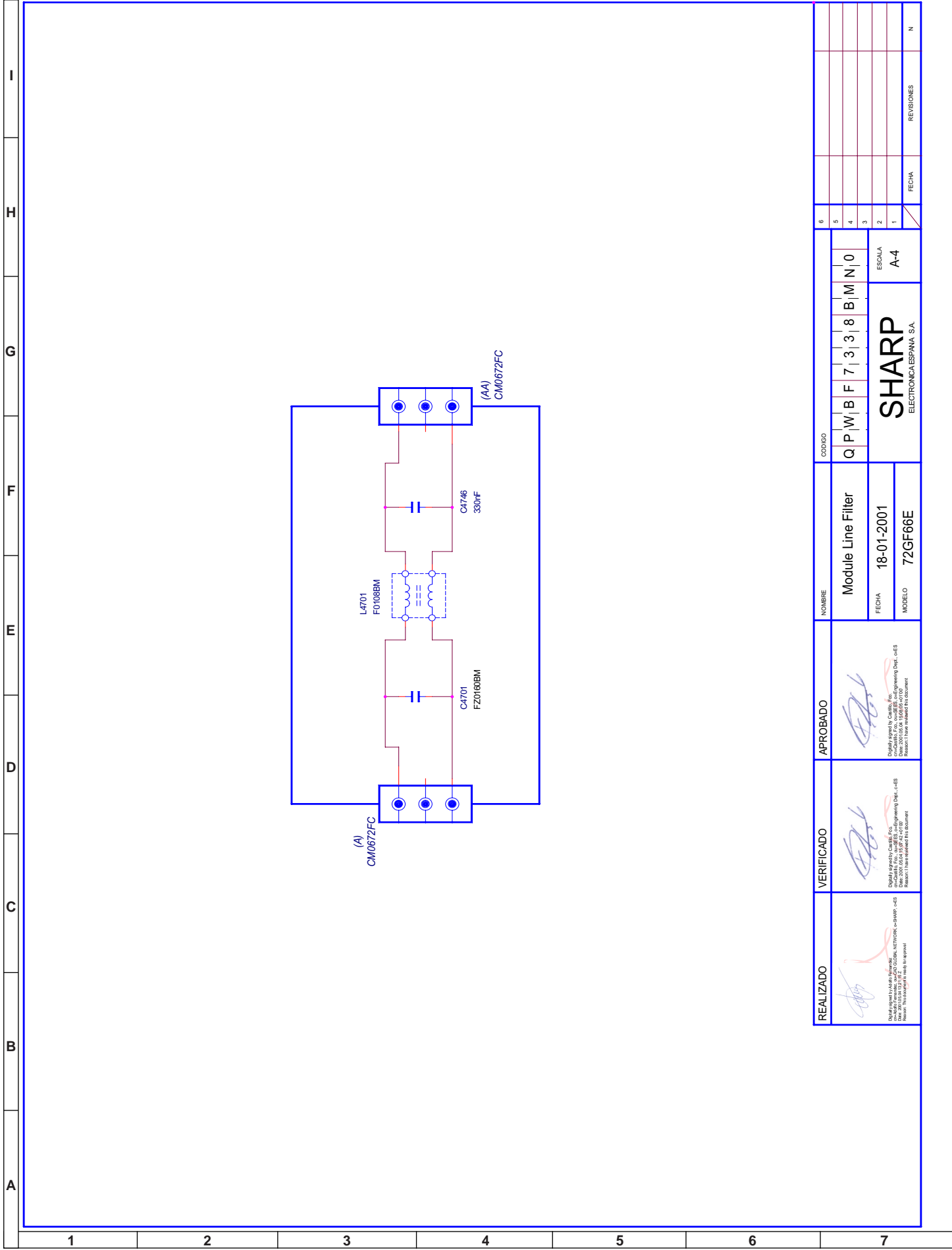
SCHEMATIC DIAGRAM OF DIGITAL MODULE UNIT (F7295N0A), 00 Version.



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|            |            |                |                             |            |                |            |                |   |
|------------|------------|----------------|-----------------------------|------------|----------------|------------|----------------|---|
| VERIFICADO | APROBADO   | NOMBRE         | CODIGO                      | 6          |                |            |                |   |
|            |            | Module Digital | Q P W B F 7 2 9 5 B M N 0 A | 5          |                |            |                |   |
| FECHA      | 17-10-2000 |                |                             | ESCALA     | A-2            | 08-09-2000 | HASTA INFO 830 | 4 |
| MODELO     | 72GF66E    |                |                             | 28-04-2000 | HASTA INFO 591 | 3          |                |   |
|            |            |                |                             | 1          |                | 28-04-2000 | HASTA INFO 553 | 2 |
|            |            |                |                             |            |                | 26-04-2000 | HASTA INFO 530 | 1 |
|            |            |                |                             |            |                | FECHA      | REVISIONES     | N |

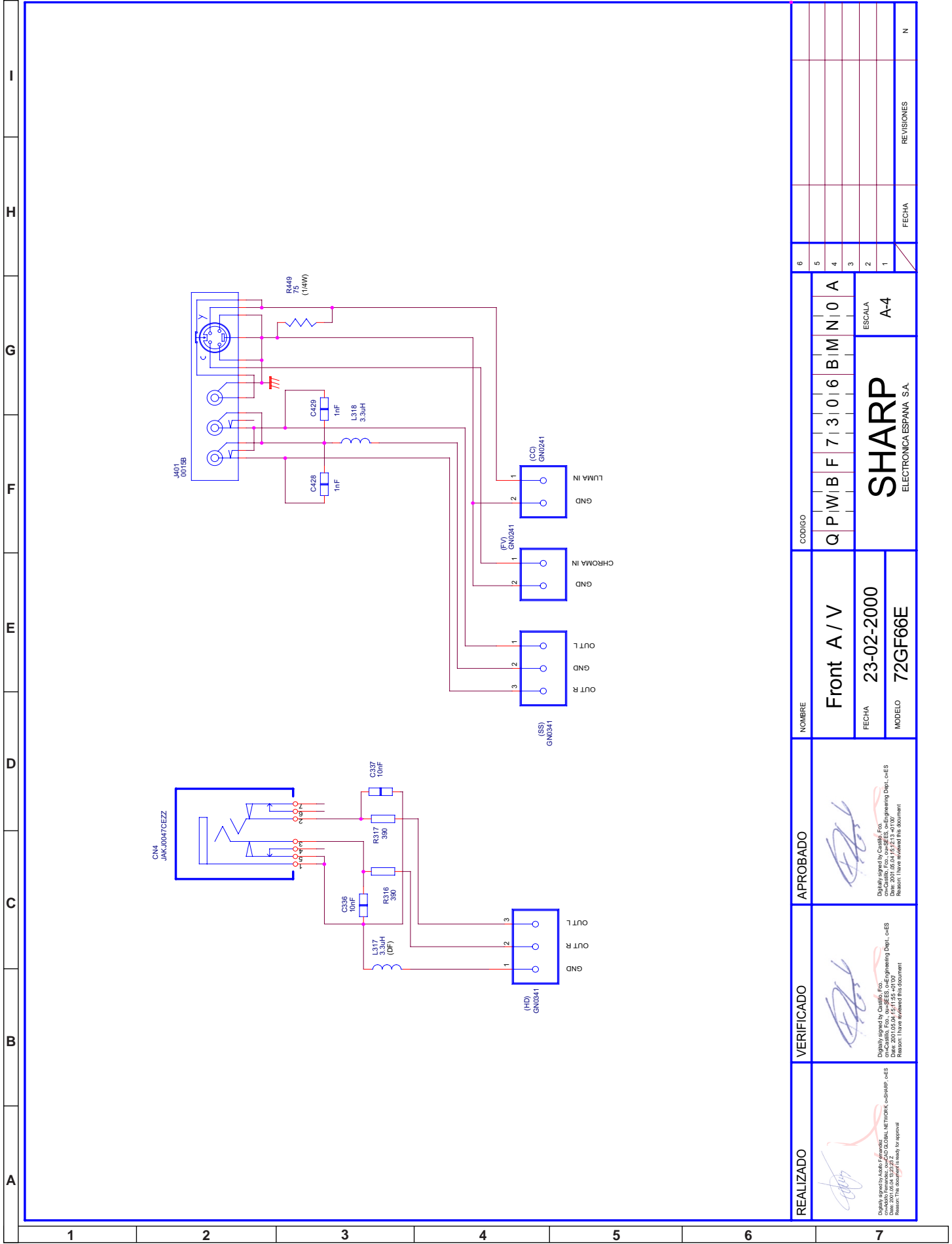
SCHEMATIC DIAGRAM OF LINE FILTER UNIT (F7338N0), 00 Version.



|           |            |          |                    |        |                         |   |   |   |   |   |   |
|-----------|------------|----------|--------------------|--------|-------------------------|---|---|---|---|---|---|
| REALIZADO | VERIFICADO | APROBADO | NOMBRE             | CODIGO |                         |   |   |   |   |   |   |
|           |            |          |                    | Q      | P                       | W | B | F | 7 | 3 | 8 |
|           |            |          | Module Line Filter |        | ESCALA                  |   |   |   |   |   |   |
|           |            |          | FECHA              |        | A4                      |   |   |   |   |   |   |
|           |            |          | MODELO             |        | 72GF66E                 |   |   |   |   |   |   |
|           |            |          | SHARP              |        | ELECTRONICA ESPAÑA S.A. |   |   |   |   |   |   |
|           |            |          | REVISIONES         |        | FECHA                   |   |   |   |   |   |   |
|           |            |          | N                  |        |                         |   |   |   |   |   |   |



SCHEMATIC DIAGRAM OF AUDIO AMPLIFIER UNIT (F7304NOB), 00 Version.



|           |            |          |             |            |        |   |                         |   |   |   |   |   |   |   |   |
|-----------|------------|----------|-------------|------------|--------|---|-------------------------|---|---|---|---|---|---|---|---|
| REALIZADO | VERIFICADO | APROBADO | NOMBRE      |            | CODIGO |   |                         |   |   |   |   |   |   |   |   |
|           |            |          | Front A / V |            | Q      | P | W                       | B | F | 7 | 3 | 0 | 6 | B | M |
|           |            |          | FECHA       | 23-02-2000 | ESCALA |   | A-4                     |   |   |   |   |   |   |   |   |
|           |            |          | MODELO      | 72GF66E    | SHARP  |   | ELECTRONICA ESPAÑA S.A. |   |   |   |   |   |   |   |   |
|           |            |          | REVISIONES  | FECHA      | N      |   |                         |   |   |   |   |   |   |   |   |



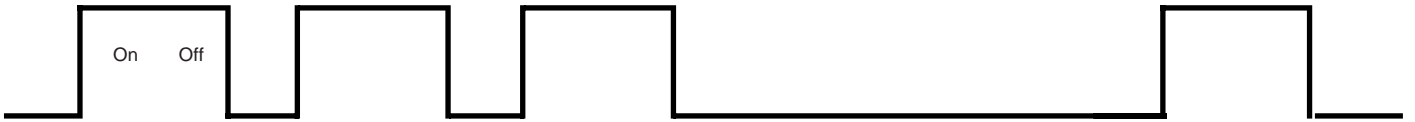
## STEREO LED FLASHING CODES.

If the TV set does not work and the stereo led is flashing, follow the sequence according to the information below, as a guide to fault finding.

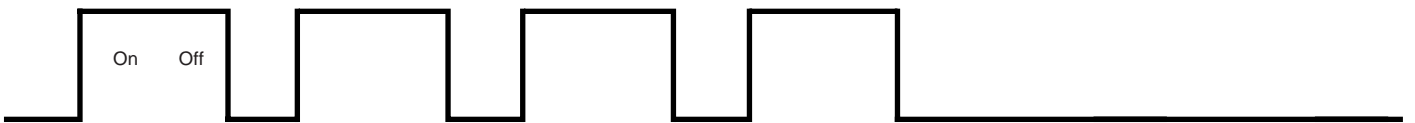
1. **Unable to read or write into NVM:** 66% ON, 33% OFF twice and OFF for a second.



2. **MSP failure:** 66% ON, 33% OFF for three times and OFF for a second.



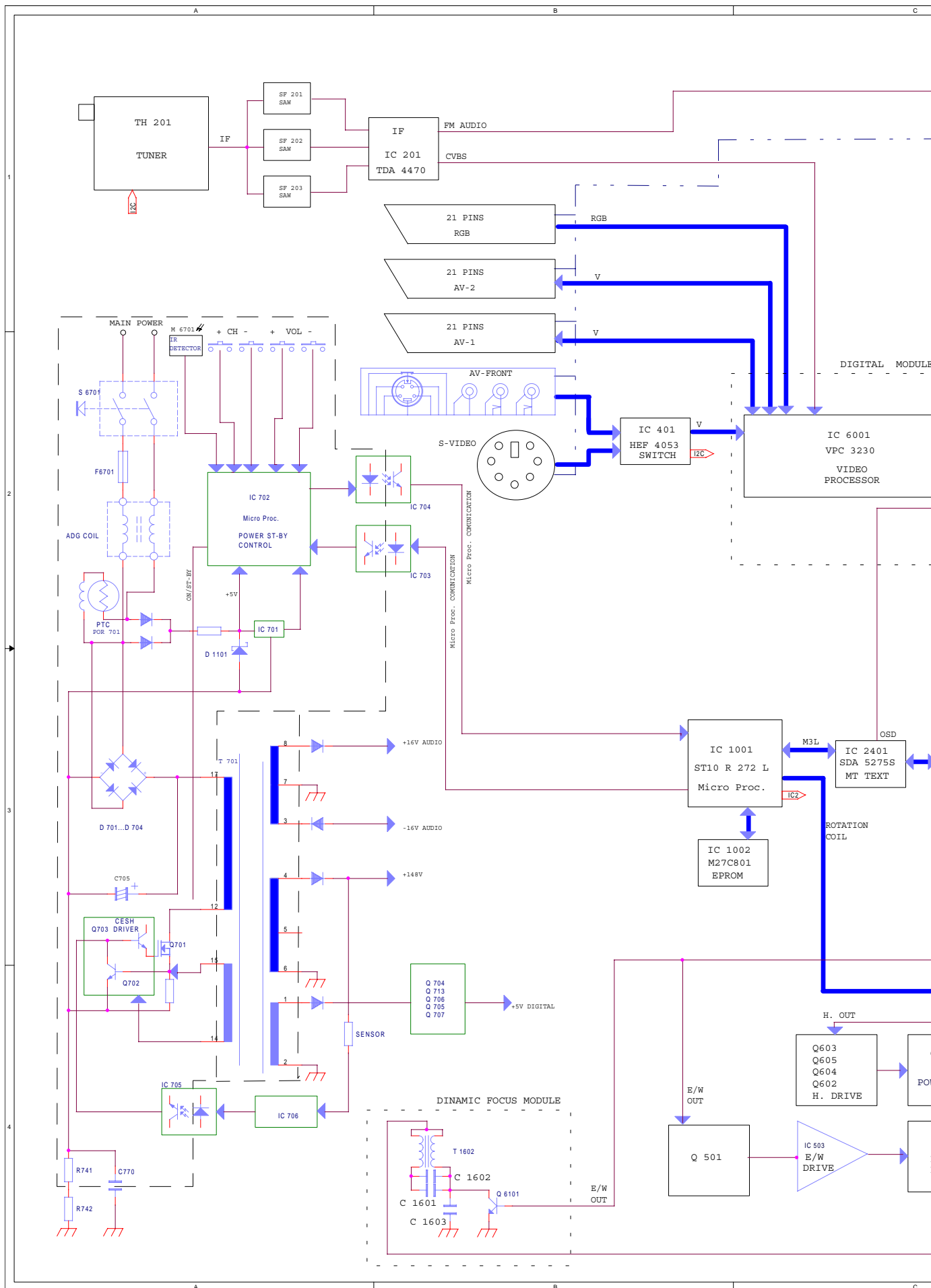
3. **VPC failure:** 66% ON, 33% OFF for four times and OFF for a second.



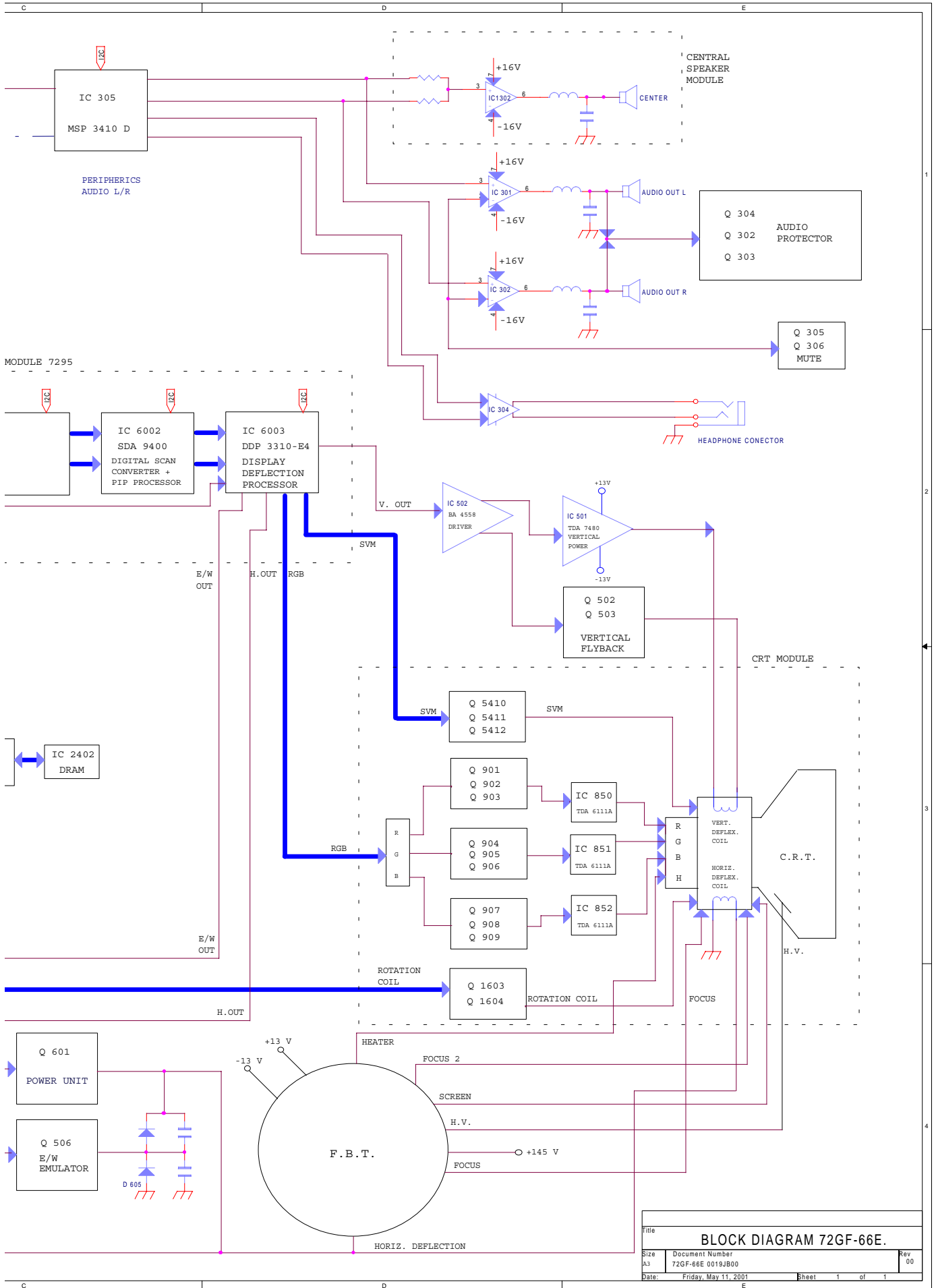
4. **SAA4956 failure:** 66% ON, 33% OFF for six times and OFF for a second.

5. **DDP failure:** 66% ON, 33% OFF for seven times and OFF for a second.

BLOCK DIAGRAM



# BLOCK DIAGRAM



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|                         |                      |       |        |
|-------------------------|----------------------|-------|--------|
| Title                   |                      |       |        |
| BLOCK DIAGRAM 72GF-66E. |                      |       |        |
| Size                    | Document Number      | Rev   |        |
| A3                      | 72GF-66E 0019J800    | 00    |        |
| Date:                   | Friday, May 11, 2001 | Sheet | 1 of 1 |

# PARTS LISTING

## REPLACEMENT PARTS

Replacement parts which have special safety characteristics are identified in this manual. Electrical components having such features are identified by  $\Delta$  in the Replacement Part List.

The use of a substitute replacement part which does not have the same safety characteristics as the factory recommended is not permitted. Replacement parts not shown in this service manual may create shock fire, or other hazards.

## HOW TO ORDER REPLACEMENT PARTS

To have your order completed promptly and correctly please supply the following information.

1. MODEL NUMBER
2. REF. NO.
3. PART NO.
4. DESCRIPTION
5. CODE
6. QUANTITY

MARK \*: SPARE PARTS DELIVERY SECTION

|                            | PARTS         | DESCRIPTION                              | *                               | SN CODE | EX CODE |
|----------------------------|---------------|--|---------------------------------|---------|---------|
| <b>PICTURE TUBE</b>        |               |  |                                 |         |         |
| $\Delta$                   | VB68QCP891X4E | 29"A68QCP891X110SAMS.100HZTRUEFLAT GERMA | S                               | CK      | DE      |
| $\Delta$                   | CCILG0404BMV0 | DEG COIL SET NUCTOR 28"                  | S                               | AM      | AV      |
| <b>MOTHER UNIT</b>         |               |  |                                 |         |         |
|                            | PWB-A         | DUNTK7293BMV3                            | MOTHER UNIT 72GF66E             | S       | BT **   |
|                            | PWB-B         | DUNTK7269BMV4                            | TRC UNIT 72GF66E                | S       | AX **   |
|                            | PWB-C         | DUNTK7271BMW0                            | DINAMIC FOCUS 72GF66E           | S       | AY **   |
|                            | PWB-D         | DUNTK7295BMV3                            | DIGITAL MODULE VPC3230 72GF66E  | S       | BN **   |
|                            | PWB-E         | DUNTK7304BMV1                            | AUDIO AMPLIFIER 8172GF66E       | S       | AQ **   |
|                            | PWB-F         | DUNTK7305BMV4                            | FRONTAL POWER SW 72GF66E        | S       | AS **   |
|                            | PWB-G         | DUNTK7306BMV0                            | FRONTAL SIGNAL 8172GF66E        | S       | -- --   |
|                            | PWB-H         | DUNTK7338BMV0                            | LINE FILTER UNIT DA-50W DA-100W | S       | AH AU   |
| <b>TUNER</b>               |               |  |                                 |         |         |
|                            | TH 0201       | RTUNH0139BMZZ                            | TUNER CTT5020E THOMSON          | S       | AP BA   |
| <b>INTEGRATED CIRCUITS</b> |               |  |                                 |         |         |
|                            | IC 0201       | RH-IX1671BMZZ                            | IC TDA4470-MFL TEMIC SMD        | S       | AF AQ   |
|                            | IC 0202       | RH-IX1556BMZZ                            | IC BA10393 S0P8 SMD ROHM        | S       | AC AD   |
|                            | IC 0203       | RH-IX0037CEZZ                            | IC UPC574J 33V NEC              | S       | AF AD   |
|                            | IC 0301       | VHITDA7480-1                             | IC TDA7480 THOMSON              | S       | AF AK   |
|                            | IC 0302       | VHITDA7480-1                             | IC TDA7480 THOMSON              | S       | AF AK   |
|                            | IC 0304       | VHIM5218L/-1                             | IC M5218L                       | S       | AA **   |
|                            | IC 0305       | RH-IX1789BMZZ                            | CI MSP3410D-PP-C5 MICRONA       | S       | AS BD   |
|                            | IC 0401       | RH-IX1602BMZZ                            | IC HEF4053 SMD                  | S       | AA **   |
|                            | IC 0501       | VHITDA7480-1                             | IC TDA7480 THOMSON              | S       | AF AK   |
|                            | IC 0502       | VHIBA4558F-1                             | IC BA4558F-E2 ROHM OP-AMP       | S       | AA AC   |
|                            | IC 0503       | RH-IX1556BMZZ                            | IC BA10393 S0P8 SMD ROHM        | S       | AC AD   |
|                            | IC 0701       | VHIPST529C2-1                            | IC P5T529C2 MITSUMI             | S       | AD AD   |
|                            | IC 0702       | RH-IX1646BMZZ                            | IC ST6203B SMD SGS-THOMSON      | S       | AF AL   |
|                            | IC 0703       | RH-FX0112BMZZ                            | OPTOCOUPLER MOC8106.3SR2        | S       | AA AD   |
| $\Delta$                   | IC 0704       | RH-FX0112BMZZ                            | OPTOCOUPLER MOC8106.3SR2        | S       | AA AD   |
| $\Delta$                   | IC 0705       | RH-FX0112BMZZ                            | OPTOCOUPLER MOC8106.3SR2        | S       | AA AD   |
|                            | IC 0706       | RH-IX1674BMZZ                            | IC KA431AZ SAMSUNG              | S       | AA AD   |
|                            | IC 0707       | RH-IX1704BMZZ                            | IC L4978 THOMSON                | S       | AD AK   |
|                            | IC 0708       | RH-FX0111BMZZ                            | OPTOCOUPLER TLP165J TOSHIBA     | S       | AB AE   |
|                            | IC 1001       | RH-IX1686BMZZ                            | IC ST10R272L THOMSON            | S       | AK AW   |
|                            | IC 1002       | CH-IX1708CJE4                            | EPROM SET SOFT 72GF66E          | S       | AT BE   |
|                            | IC 1003       | RH-IX1603BMZZ                            | NVM X246458 XICOR SMD           | S       | AS AV   |
|                            | IC 1004       | RH-IX1603BMZZ                            | NVM X246458 XICOR SMD           | S       | AS AV   |
|                            | IC 1005       | VHIPST529C2-1                            | IC P5T529C2 MITSUMI             | S       | AD AD   |
|                            | IC 2401       | RH-IX1709BMZZ                            | IC SDA5275-3MXTX NIVEL2,5       | S       | AT BD   |
|                            | IC 2402       | RH-IX1811BMZZ                            | IC DRAM MSM514400D-60TS-K OKI   | S       | AG AS   |
| <b>TRANSISTORS</b>         |               |  |                                 |         |         |
|                            | Q 0201        | VS2SA1037KQ-1                            | TRT BC807 SMD                   | S       | AA AA   |
|                            | Q 0209        | VS2SC2412KQ-1                            | TRT 2SC2412 ROHM                | S       | AA AA   |
|                            | Q 0302        | VS2SC2412KQ-1                            | TRT 2SC2412 ROHM                | S       | AA AA   |
|                            | Q 0303        | VS2SC2412KQ-1                            | TRT 2SC2412 ROHM                | S       | AA AA   |
|                            | Q 0304        | VS2SA1037KQ-1                            | TRT BC807 SMD                   | S       | AA AA   |
|                            | Q 0305        | VS2SC2412KQ-1                            | TRT 2SC2412 ROHM                | S       | AA AA   |

| REF No.       | PARTS         | DESCRIPTION                    | * | SN CODE | EX CODE |
|---------------|---------------|--------------------------------|---|---------|---------|
| Q 0306        | VS2SC2412KQ-1 | TRT 2SC2412 ROHM               | S | AA      | AA      |
| Q 0403        | VS2SC2412KQ-1 | TRT 2SC2412 ROHM               | S | AA      | AA      |
| Q 0404        | VS2SC2412KQ-1 | TRT 2SC2412 ROHM               | S | AA      | AA      |
| Q 0405        | VS2SA1037KQ-1 | TRT BC807 SMD                  | S | AA      | AA      |
| Q 0406        | VS2SA1037KQ-1 | TRT BC807 SMD                  | S | AA      | AA      |
| Q 0408        | VS2SC2412KQ-1 | TRT 2SC2412 ROHM               | S | AA      | AA      |
| Q 0501        | VS2SC2412KQ-1 | TRT 2SC2412 ROHM               | S | AA      | AA      |
| Q 0502        | RH-TX0201BMZZ | TRT KSA928A SAMSUNG            | S | AA      | AC      |
| Q 0503        | RH-TX0172BMZZ | IRFR010TM SAMSUNG N            | S | AD      | AE      |
| Q 0505        | VS2SC2412KQ-1 | TRT 2SC2412 ROHM               | S | AA      | AA      |
| Q 0506        | RH-TX0219BMZZ | TRT MOSFET TOSHIBA 2SK2963 SMD | S | AA      | AD      |
| Q 0507        | RH-TX0203BMZZ | TRT 2SB852 ROHM                | S | AA      | AB      |
| Q 0601        | RH-TX0197BMZZ | TRT BU2525AX PHILIPS           | S | AG      | AP      |
| Q 0602        | RH-TX0192BMZZ | TRT KSC2500 SAMSUNG            | S | AB      | AC      |
| Q 0603        | VS2SC2412KQ-1 | TRT 2SC2412 ROHM               | S | AA      | AA      |
| Q 0604        | VS2SA1037KQ-1 | TRT BC807 SMD                  | S | AA      | AA      |
| Q 0605        | RH-TX0192BMZZ | TRT KSC2500 SAMSUNG            | S | AB      | AC      |
| Q 0606        | VS2SC2412KQ-1 | TRT 2SC2412 ROHM               | S | AA      | AA      |
| Q 0701        | RH-TX0198BMZZ | TRT S5F10N80A SAMSUNG          | S | AM      | AU      |
| Q 0702        | RH-TX0182BMZZ | TRT 2PD602AR PHILIPS           | S | AA      | AB      |
| Q 0703        | RH-TX0151BMZZ | TRT 2SD2391Q SMD ROHM          | S | AC      | AD      |
| Q 0708        | VS2SC2412KQ-1 | TRT 2SC2412 ROHM               | S | AA      | AA      |
| Q 0709        | VS2SC2412KQ-1 | TRT 2SC2412 ROHM               | S | AA      | AA      |
| Q 0710        | VS2SC2412KQ-1 | TRT 2SC2412 ROHM               | S | AA      | AA      |
| Q 0711        | RH-TX0106BMZZ | TRT BC547                      | S | AA      | AB      |
| Q 0712        | VS2SC2412KQ-1 | TRT 2SC2412 ROHM               | S | AA      | AA      |
| Q 0714        | VS2SA1037KQ-1 | TRT BC807 SMD                  | S | AA      | AA      |
| Q 0715        | RH-TX0215BMZZ | MOSFET 2SK2715 ROHM            | S | AA      | AE      |
| Q 0717        | VS2SC2412KQ-1 | TRT 2SC2412 ROHM               | S | AA      | AA      |
| Q 1001        | VS2SC2412KQ-1 | TRT 2SC2412 ROHM               | S | AA      | AA      |
| Q 1002        | VS2SC2412KQ-1 | TRT 2SC2412 ROHM               | S | AA      | AA      |
| Q 1003        | VS2SC2412KQ-1 | TRT 2SC2412 ROHM               | S | AA      | AA      |
| Q 1004        | VS2SA1037KQ-1 | TRT BC807 SMD                  | S | AA      | AA      |
| Q 1005        | VS2SC2412KQ-1 | TRT 2SC2412 ROHM               | S | AA      | AA      |
| Q 1006        | VS2SC2412KQ-1 | TRT 2SC2412 ROHM               | S | AA      | AA      |
| Q 1007        | VS2SC2412KQ-1 | TRT 2SC2412 ROHM               | S | AA      | AA      |
| Q 2401        | VS2SC2412KQ-1 | TRT 2SC2412 ROHM               | S | AA      | AA      |
| <b>DIODES</b> |               |                                |   |         |         |
| D 0203        | RH-DX0551BMZZ | DIODE LL4148 TFK SMD           | S | AA      | AA      |
| D 0204        | RH-DX0548BMZZ | DIODE VARICAP BBY40            | S | AC      | AE      |
| D 0205        | RH-DX0551BMZZ | DIODE LL4148 TFK SMD           | S | AA      | AA      |
| D 0206        | RH-DX0045BMZZ | DIODE 1N4148                   | S | AA      | AA      |
| D 0301        | RH-DX0551BMZZ | DIODE LL4148 TFK SMD           | S | AA      | AA      |
| D 0302        | RH-EX0549BMZZ | ZENER DIODE TZMC7V5 TFK SMD    | S | AA      | AA      |
| D 0303        | RH-EX0549BMZZ | ZENER DIODE TZMC7V5 TFK SMD    | S | AA      | AA      |
| D 0304        | RH-EX0549BMZZ | ZENER DIODE TZMC7V5 TFK SMD    | S | AA      | AA      |
| D 0305        | RH-EX0549BMZZ | ZENER DIODE TZMC7V5 TFK SMD    | S | AA      | AA      |
| D 0401        | RH-EX0549BMZZ | ZENER DIODE TZMC7V5 TFK SMD    | S | AA      | AA      |
| D 0402        | RH-EX0549BMZZ | ZENER DIODE TZMC7V5 TFK SMD    | S | AA      | AA      |
| D 0403        | RH-EX0549BMZZ | ZENER DIODE TZMC7V5 TFK SMD    | S | AA      | AA      |
| D 0404        | RH-EX0549BMZZ | ZENER DIODE TZMC7V5 TFK SMD    | S | AA      | AA      |
| D 0405        | RH-EX0549BMZZ | ZENER DIODE TZMC7V5 TFK SMD    | S | AA      | AA      |
| D 0406        | RH-EX0549BMZZ | ZENER DIODE TZMC7V5 TFK SMD    | S | AA      | AA      |
| D 0407        | RH-EX0549BMZZ | ZENER DIODE TZMC7V5 TFK SMD    | S | AA      | AA      |
| D 0408        | RH-EX0549BMZZ | ZENER DIODE TZMC7V5 TFK SMD    | S | AA      | AA      |
| D 0409        | RH-EX0549BMZZ | ZENER DIODE TZMC7V5 TFK SMD    | S | AA      | AA      |
| D 0410        | RH-EX0549BMZZ | ZENER DIODE TZMC7V5 TFK SMD    | S | AA      | AA      |
| D 0411        | RH-EX0546BMZZ | ZENER DIODE TZMC5V6 TFK SMD    | S | AA      | AA      |
| D 0412        | RH-DX0551BMZZ | DIODE LL4148 TFK SMD           | S | AA      | AA      |
| D 0413        | RH-EX0584BMZZ | ZENER DIODE TZMB6V2 TFK SMD 2% | S | AA      | AA      |
| D 0414        | RH-DX0551BMZZ | DIODE LL4148 TFK SMD           | S | AA      | AA      |
| D 0415        | RH-EX0547BMZZ | ZENER DIODE TZMC6V2 TFK SMD    | S | AA      | AA      |
| D 0416        | RH-EX0547BMZZ | ZENER DIODE TZMC6V2 TFK SMD    | S | AA      | AA      |
| D 0417        | RH-EX0547BMZZ | ZENER DIODE TZMC6V2 TFK SMD    | S | AA      | AA      |
| D 0419        | RH-DX0551BMZZ | DIODE LL4148 TFK SMD           | S | AA      | AA      |
| D 0420        | RH-EX0546BMZZ | ZENER DIODE TZMC5V6 TFK SMD    | S | AA      | AA      |
| D 0421        | RH-EX0544BMZZ | ZENER DIODE TZMC4V7 TFK SMD    | S | AA      | AA      |
| D 0422        | RH-EX0556BMZZ | ZENER DIODE TZMC12 TFK SMD     | S | AA      | AA      |
| D 0423        | RH-EX0554BMZZ | ZENER DIODE TZMC12 TFK SMD     | S | AA      | AA      |
| D 0502        | RH-DX0551BMZZ | DIODE LL4148 TFK SMD           | S | AA      | AA      |
| D 0503        | RH-DX0551BMZZ | DIODE LL4148 TFK SMD           | S | AA      | AA      |
| D 0504        | RH-DX0551BMZZ | DIODE LL4148 TFK SMD           | S | AA      | AA      |
| D 0506        | RH-DX0551BMZZ | DIODE LL4148 TFK SMD           | S | AA      | AA      |

| REF No. | PARTS         | DESCRIPTION                 | * | SN CODE | EX CODE | REF No.  | PARTS         | DESCRIPTION                             | * | SN CODE | EX CODE |
|---------|---------------|-----------------------------|---|---------|---------|----------|---------------|---|---|---------|---------|
| D 0507  | RH-EX0558BMZZ | ZENER DIODE TZMC18 TFK SMD  | S | AA      | AA      | L 0350   | VP-CF3R3K0000 | PEAK COIL 3.3UH 10%                     | S | AB      | AB      |
| D 0508  | RH-DX0551BMZZ | DIODE LL4148 TFK SMD        | S | AA      | AA      | L 0351   | VP-CF3R3K0000 | PEAK COIL 3.3UH 10%                     | S | AB      | AB      |
| D 0509  | RH-DX0551BMZZ | DIODE LL4148 TFK SMD        | S | AA      | AA      | L 0352   | RCILP0278BMZZ | COIL A823LY-680K TOKO                   | S | AA      | AD      |
| D 0510  | RH-DX0505BMZZ | DIODE 1N4935                | S | AB      | AE      | L 0353   | RCILP0278BMZZ | COIL A823LY-680K TOKO                   | S | AA      | AD      |
| D 0515  | RH-EX0544BMZZ | ZENER DIODE TZMC4V7 TFK SMD | S | AA      | AA      | L 0501   | RCILP0271BMZZ | COIL BC-400/K DIEMEN                    | S | AD      | AG      |
| D 0601  | RH-DX0551BMZZ | DIODE LL4148 TFK SMD        | S | AA      | AA      | L 0502   | VP-CF3R3K0000 | PEAK COIL 3.3UH 10%                     | S | AB      | AB      |
| D 0605  | RH-DX0558BMZZ | DIODE DMV32AF5 THOMSON      | S | AH      | AM      | L 0503   | VP-CF3R3K0000 | PEAK COIL 3.3UH 10%                     | S | AB      | AB      |
| D 0606  | RH-DX0505BMZZ | DIODE 1N4935                | S | AB      | AE      | L 0601   | VP-NM3R3MR19N | COIL 3,3UH SMD                          | S | AA      | **      |
| D 0608  | RH-DX0505BMZZ | DIODE 1N4935                | S | AB      | AE      | L 0603   | RCILP0262BMZZ | COIL HR18008.00 DIEMEN                  | S | AD      | AG      |
| D 0609  | RH-DX0561BMZZ | DIODE RGP15J FAGOR          | S | AC      | AD      | L 0604   | RCILP0290BMZZ | INNER COIL HR-18019.00                  | S | AC      | AH      |
| D 0610  | RH-DX0519BMZZ | DIODE 1N5819 MOROROLA       | S | AB      | AD      | L 0605   | RCILZ0718BMZZ | COIL HR13042-00 DIEMEN                  | S | AL      | AD      |
| D 0611  | RH-DX0519BMZZ | DIODE 1N5819 MOROROLA       | S | AB      | AD      | L 0609   | RCILP0282BMZZ | COIL RLB0912-1R5M DIONIX-BULK           | S | AA      | AD      |
| D 0612  | RH-DX0519BMZZ | DIODE 1N5819 MOROROLA       | S | AB      | AD      | L 0611   | VP-CF220K0000 | PEAK COIL 22UH 10%                      | S | AA      | AA      |
| D 0613  | RH-DX0506BMZZ | DIODE 1N4936                | S | AB      | AB      | L 0612   | VP-CF220K0000 | PEAK COIL 22UH 10%                      | S | AA      | AA      |
| D 0619  | RH-DX0551BMZZ | DIODE LL4148 TFK SMD        | S | AA      | AA      | L 0705   | RCILP0285BMZZ | COIL PCV1620-500K DIONIX                | S | AB      | AF      |
| D 0620  | RH-DX0551BMZZ | DIODE LL4148 TFK SMD        | S | AA      | AA      | L 2401   | VP-DF3R3K0000 | PEAK COIL 3.3UH 10%                     | S | AB      | AB      |
| D 0621  | RH-DX0506BMZZ | DIODE 1N4936                | S | AB      | AB      | L 2402   | VP-DF100K0000 | PEAK COIL 10UH 10%                      | S | AA      | **      |
| D 0623  | RH-EX0423BMZZ | ZENER DIODE BZX79C22V       | S | AA      | AB      | L 609A   | VRN-VV3AB1R0J | MET FILM R 1 OHM 5% 1W                  | S | AA      | AA      |
| D 0624  | RH-DX0551BMZZ | DIODE LL4148 TFK SMD        | S | AA      | AA      |          |               |   |   |         |         |
| D 0701  | RH-DX0555BMZZ | DIODE RF2005 FAGOR          | S | AA      | AB      |          |               | <b>CERAMIC FILTERS</b>                  |   |         |         |
| D 0702  | RH-DX0555BMZZ | DIODE RF2005 FAGOR          | S | AA      | AB      | CF 0202  | RFILCO020CEZZ | FILTER SIF TRAP (TAPED)                 | S | AE      | AE      |
| D 0703  | RH-DX0555BMZZ | DIODE RF2005 FAGOR          | S | AA      | AB      | CF 0701  | RFILCO121GEZZ | FILTER CST8.00MTW MURATA                | S | AC      | AD      |
| D 0704  | RH-DX0555BMZZ | DIODE RF2005 FAGOR          | S | AA      | AB      | SF 0201  | RFILCO278BMZZ | SAW FILTER K3953M SIEMENS               | S | AK      | AM      |
| D 0706  | RH-DX0551BMZZ | DIODE LL4148 TFK SMD        | S | AA      | AA      | SF 0202  | RFILCO286BMZZ | FILTER K9356M SIEMENS                   | S | AC      | AG      |
| D 0707  | RH-DX0502BMZZ | DIODE 1N4005                | S | AB      | AA      | SF 0203  | RFILCO289BMZZ | SAW FILTER L9354M SIEMENS               | S | AC      | AK      |
| D 0708  | RH-DX0502BMZZ | DIODE 1N4005                | S | AB      | AA      |          |               |   |   |         |         |
| D 0710  | RH-EX0545BMZZ | ZENER DIODE TZMC5V1 TFK SMD | S | AA      | AA      |          |               | <b>TRANSFORMERS</b>                     |   |         |         |
| D 0711  | RH-DX0539BMZZ | DIODE BY152M TFK            | S | AA      | AC      | △ T 0601 | RTRNF2075BMZZ | FBT 29" 40308 OREGA                     | S | AP      | BA      |
| D 0712  | RH-EX0419BMZZ | ZENER DIODE BZX79C15V 0,4W  | S | AA      | AB      | △ T 0701 | RTRNZ0577BMZZ | CHOPPER 16:9 100HZ THOMSON              | S | AF      | AQ      |
| D 0713  | RH-DX0551BMZZ | DIODE LL4148 TFK SMD        | S | AA      | AA      |          |               |   |   |         |         |
| D 0714  | RH-DX0605BMZZ | DIODE MBR340RL MOTOROLA     | S | AA      | AE      |          |               | <b>CAPACITORS</b>                       |   |         |         |
| D 0715  | RH-DX0551BMZZ | DIODE LL4148 TFK SMD        | S | AA      | AA      | C 0203   | VCKYTV1HF104Z | CERAM C 100NF 50V 2125SMD               | S | AA      | AA      |
| D 0716  | RH-EX0412BMZZ | ZENER DIODE BZX79C7V5       | S | AA      | AB      | C 0204   | VCEAGA1HW225M | ELEC C 2,2UF 20% 50V                    | S | AA      | AB      |
| D 0718  | RH-DX0589BMZZ | DIODE MBR3100RL             | S | AC      | AF      | C 0205   | RC-FZ4474BMNJ | POL FILM C 470nF 50V 5% ECQ-V PANASONIC | S | AA      | **      |
| D 0719  | RH-DX0589BMZZ | DIODE MBR3100RL             | S | AC      | AF      | C 0206   | VCEAGA1HW225M | ELEC C 2,2UF 20% 50V                    | S | AA      | AB      |
| D 0720  | RH-DX0587BMZZ | DIODE MR826 PREFORM C6.3    | S | AH      | AP      | C 0207   | VCKYTV1HF103Z | CERAM C 10NF 50V 2125SMD                | S | AA      | AA      |
| D 0721  | RH-EX0550BMZZ | ZENER DIODE TZMC8V2 TFK SMD | S | AA      | AA      | C 0208   | VCKYTV1HF223Z | CERAM C 22NF 50V 2125SMD                | S | AA      | **      |
| D 0722  | RH-DX0590BMZZ | DIODE MBR1100RL MOTOROLA    | S | AD      | AE      | C 0209   | VCEAGA1CW107M | ELEC C 100UF 20% 16V                    | S | AA      | **      |
| D 0724  | RH-EX0538BMZZ | ZENER DIODE TZMC2V7 TFK SMD | S | AA      | AA      | C 0211   | VCEAGA1HW106M | ELEC C 10UF 20% 50V                     | S | AA      | **      |
| D 0725  | RH-DX0551BMZZ | DIODE LL4148 TFK SMD        | S | AA      | AA      | C 0212   | VRS-TV1JD000J | 2125 0 OHM 5% 1/10W SMD                 | S | AA      | AA      |
| D 0726  | RH-EX0554BMZZ | ZENER DIODE TZMC12 TFK SMD  | S | AA      | AA      | C 0213   | VRS-TV1JD000J | 2125 0 OHM 5% 1/10W SMD                 | S | AA      | AA      |
| D 0727  | RH-DX0551BMZZ | DIODE LL4148 TFK SMD        | S | AA      | AA      | C 0214   | VCKYTV1HF103Z | CERAM C 10NF 50V 2125SMD                | S | AA      | AA      |
| D 0728  | RH-EX0545BMZZ | ZENER DIODE TZMC5V1 TFK SMD | S | AA      | AA      | C 0215   | VCEAGA1AW477M | ELEC C 470UF 20% 10V                    | S | AA      | AB      |
| D 0729  | RH-EX0568BMZZ | ZENER DIODE TZMC47 TFK SMD  | S | AA      | AA      | C 0216   | VCCCTV1HH270J | CERAM C 27PF 50V 2125SMD                | S | AA      | AA      |
| D 0730  | RH-DX0551BMZZ | DIODE LL4148 TFK SMD        | S | AA      | AA      | C 0217   | VCCCTV1HH221J | CERAM C 220PF 50V 2125SMD               | S | AA      | **      |
| D 0731  | RH-DX0502BMZZ | DIODE 1N4005                | S | AB      | AA      | C 0218   | VCEAGA1AW107M | ELEC C 100UF 20% 10V                    | S | AA      | **      |
| D 0732  | RH-EX0556BMZZ | ZENER DIODE TZMC15 TFK SMD  | S | AA      | AA      | C 0219   | VCEAGA1HW105M | ELEC C 1UF 20% 50V                      | S | AA      | AA      |
| D 0733  | RH-DX0551BMZZ | DIODE LL4148 TFK SMD        | S | AA      | AA      | C 0220   | VCEAGA1HW105M | ELEC C 1UF 20% 50V                      | S | AA      | AA      |
| D 0734  | RH-DX0502BMZZ | DIODE 1N4005                | S | AB      | AA      | C 0221   | VCCCTV1HH220J | CERAM C 22PF 50V 2125SMD                | S | AA      | **      |
| D 0735  | RH-EX0875BMZZ | DIODE BZW04-145=170V FAGOR  | S | AA      | AD      | C 0222   | VCCCTV1HH220J | CERAM C 22PF 50V 2125SMD                | S | AA      | **      |
| D 1003  | RH-DX0606BMZZ | DIODE BAS85 PHILIPS SMD     | S | AA      | AB      | C 0223   | VCKYTV1HF333Z | CERAM C 33NF 50V 2125SMD                | S | AA      | AA      |
| D 1004  | RH-EX0549BMZZ | ZENER DIODE TZMC7V5 TFK SMD | S | AA      | AA      | C 0224   | VCKYTV1HB103K | CERAM C 10NF 50V 2125SMD                | S | AA      | AA      |
| D 1005  | RH-EX0549BMZZ | ZENER DIODE TZMC7V5 TFK SMD | S | AA      | AA      | C 0225   | VCKYTV1HB103K | CERAM C 10NF 50V 2125SMD                | S | AA      | AA      |
| D 1006  | RH-EX0546BMZZ | ZENER DIODE TZMC5V6 TFK SMD | S | AA      | AA      | C 0226   | VCKYTV1HF103Z | CERAM C 10NF 50V 2125SMD                | S | AA      | AA      |
| D 1007  | RH-EX0546BMZZ | ZENER DIODE TZMC5V6 TFK SMD | S | AA      | AA      | C 0227   | VCKYTV1HF103Z | CERAM C 10NF 50V 2125SMD                | S | AA      | AA      |
| D 1008  | RH-EX0546BMZZ | ZENER DIODE TZMC5V6 TFK SMD | S | AA      | AA      | C 0228   | VCCWPA2HL8R2C | C 8,2PF 0,25 N1500 500V                 | S | AA      | AB      |
| D 1009  | RH-DX0551BMZZ | DIODE LL4148 TFK SMD        | S | AA      | AA      | C 0305   | VCEAGA1CW106M | ELEC C 10UF 20% 16V                     | S | AA      | **      |
| D 2401  | RH-EX0539BMZZ | ZENER DIODE TZMC3V0 TFK SMD | S | AA      | AA      | C 0306   | VCEAGA1CW106M | ELEC C 10UF 20% 16V                     | S | AA      | **      |
|         |               | <b>PACKAGED CIRCUITS</b>    |   |         |         | C 0309   | VCKYTV1HB102K | CERAM C 1NF 50V 2125SMD                 | S | AA      | AA      |
| POR0701 | RMPTP0001BMZZ | PTC B59250-C1080-B70        | S | AA      | AD      | C 0310   | VCKYTV1HB102K | CERAM C 1NF 50V 2125SMD                 | S | AA      | AA      |
| X 0301  | RCRSB0203BMZZ | CRYSTAL 18,432 MHZ          | S | AD      | AG      | C 0311   | VCEAGA1AW337M | ELEC C 330UF 20% 10V                    | S | AA      | **      |
| X 1002  | RCRSB0200BMZZ | CRYSTAL 17,734 MHZ          | S | AD      | AG      | C 0312   | VCKYTV1HF104Z | CERAM C 100NF 50V 2125SMD               | S | AA      | AA      |
| X 2401  | RCRSB0214BMZZ | CRYSTAL 20.48 MHZ SEL       | S | AD      | AH      | C 0313   | VCEAGA1CW106M | ELEC C 10UF 20% 16V                     | S | AA      | **      |
|         |               | <b>COILS</b>                |   |         |         | C 0314   | VCEAGA1CW106M | ELEC C 10UF 20% 16V                     | S | AA      | **      |
| L 0201  | VP-DF120K0000 | PEAK COIL 12UH 10%          | S | AA      | **      | C 0315   | VCEAGA1HW335M | ELEC C 3,3UF 20% 50V                    | S | AA      | AA      |
| L 0202  | VP-NM150KR63N | COIL 15UH SMD               | S | AB      | AC      | C 0316   | VCKYTV1HF104Z | CERAM C 100NF 50V 2125SMD               | S | AA      | AA      |
| L 0203  | VP-CF6R8R0000 | PEAK COIL 6.8UH 10%         | S | AA      | AA      | C 0317   | VCKYTV1EF334Z | CERAM C 330NF 25V 2125SMD               | S | AA      | AB      |
| L 0204  | RCILP0229BMZZ | COIL SMD 610NH LQN1HR61J    | S | AA      | AD      | C 0318   | VCKYTV1EF334Z | CERAM C 330NF 25V 2125SMD               | S | AA      | AB      |
| L 0205  | RCILP0229BMZZ | COIL SMD 610NH LQN1HR61J    | S | AA      | AD      | C 0319   | VCKYTV1HB102K | CERAM C 1NF 50V 2125SMD                 | S | AA      | AA      |
| L 0301  | VP-DF100K0000 | PEAK COIL 10UH 10%          | S | AA      | **      | C 0320   | VCKYTV1HB102K | CERAM C 1NF 50V 2125SMD                 | S | AA      | AA      |
| L 0315  | VP-CF3R3K0000 | PEAK COIL 3.3UH 10%         | S | AB      | AB      | C 0321   | VCKYTV1HF104Z | CERAM C 100NF 50V 2125SMD               | S | AA      | AA      |
| L 0316  | VP-CF3R3K0000 | PEAK COIL 3.3UH 10%         | S | AB      | AB      | C 0322   | RC-FZ4334BMNJ | POL FILM C 330nF 50V 5% ECQ-V PANASONIC | S | AA      | **      |
|         |               |                             |   |         |         | C 0323   | RC-FZ4334BMNJ | POL FILM C 330nF 50V 5% ECQ-V PANASONIC | S | AA      | **      |
|         |               |                             |   |         |         | C 0324   | RC-FZ4334BMNJ | POL FILM C 330nF 50V 5% ECQ-V PANASONIC | S | AA      | **      |

| REF No. | PARTS         | DESCRIPTION                             | * | SN CODE | EX CODE |
|---------|---------------|---|---|---------|---------|
| C 0325  | RC-FZ4334BMNJ | POL FILM C 330nF 50V 5% ECQ-V PANASONIC | S | AA      | **      |
| C 0326  | VCEAGA1CW106M | ELEC C 10UF 20% 16V                     | S | AA      | **      |
| C 0327  | VCKYTV1HF104Z | CERAM C 100NF 50V 2125SMD               | S | AA      | AA      |
| C 0328  | VCKYTV1HF104Z | CERAM C 100NF 50V 2125SMD               | S | AA      | AA      |
| C 0329  | VCCCPA1HH470J | CERAM C 47PF 5% 50V                     | S | AA      | **      |
| C 0330  | VCCCTV1HH470J | CERAM C 47PF 50V 2125SMD                | S | AA      | AA      |
| C 0331  | VCKYTV1HF104Z | CERAM C 100NF 50V 2125SMD               | S | AA      | AA      |
| C 0332  | VCEAGA1AW337M | ELEC C 330UF 20% 10V                    | S | AA      | **      |
| C 0333  | VCCCTV1HH470J | CERAM C 47PF 50V 2125SMD                | S | AA      | AA      |
| C 0334  | VCCCTV1HH5R0C | CERAM C 5PF 50V 2125SMD                 | S | AA      | AA      |
| C 0335  | VCCCTV1HH5R0C | CERAM C 5PF 50V 2125SMD                 | S | AA      | AA      |
| C 0336  | VCCCTV1HH471J | CERAM C 470PF 50V 2125SMD               | S | AA      | **      |
| C 0337  | VCCCTV1HH471J | CERAM C 470PF 50V 2125SMD               | S | AA      | **      |
| C 0338  | VCKYTV1HF104Z | CERAM C 100NF 50V 2125SMD               | S | AA      | AA      |
| C 0339  | VCKYTV1HF104Z | CERAM C 100NF 50V 2125SMD               | S | AA      | AA      |
| C 0340  | VCKYTV1EF224Z | CERAM C 220NF 25V 2125SMD               | S | AA      | AA      |
| C 0341  | RC-FZ4224BMNJ | POL FILM C 220nF 50V 5% ECQ-V PANASONIC | S | AA      | **      |
| C 0342  | VCEAGA1HW106M | ELEC C 10UF 20% 50V                     | S | AA      | **      |
| C 0343  | VCEAGA1HW106M | ELEC C 10UF 20% 50V                     | S | AA      | **      |
| C 0350  | VCKYTV1HF104Z | CERAM C 100NF 50V 2125SMD               | S | AA      | AA      |
| C 0351  | VCEAGA1EW227M | ELEC C 220UF 20% 25V                    | S | AA      | AA      |
| C 0352  | RC-FZ4104BMNJ | POL FILM C 100nF 50V 5% ECQ-V PANASONIC | S | AA      | AB      |
| C 0353  | RC-FZ4104BMNJ | POL FILM C 100nF 50V 5% ECQ-V PANASONIC | S | AA      | AB      |
| C 0354  | VCCCTV1HH101J | CERAM C 100PF 50V 2125SMD               | S | AA      | **      |
| C 0355  | RC-FZ4332BMNJ | POL FILM C 3.3nF 50V 5% ECQ-B PANASONIC | S | AA      | AB      |
| C 0357  | VCKYTV1HB102K | CERAM C 1NF 50V 2125SMD                 | S | AA      | AA      |
| C 0358  | RC-FZ4104BMNJ | POL FILM C 100nF 50V 5% ECQ-V PANASONIC | S | AA      | AB      |
| C 0359  | VCKYTV1HB472K | CERAM C 4.7nF 50V 2125SMD               | S | AA      | AA      |
| C 0360  | VCCCTV1HH561J | CERAM C 560PF 50V 2125SMD               | S | AA      | AA      |
| C 0361  | RC-FZ4474BMNJ | POL FILM C 470nF 50V 5% ECQ-V PANASONIC | S | AA      | **      |
| C 0362  | VCEAGA1HW225M | ELEC C 2.2UF 20% 50V                    | S | AA      | AB      |
| C 0363  | VCEAGA1EW227M | ELEC C 220UF 20% 25V                    | S | AA      | AA      |
| C 0364  | VCKYTV1HF104Z | CERAM C 100NF 50V 2125SMD               | S | AA      | AA      |
| C 0365  | VCEAGA1EW227M | ELEC C 220UF 20% 25V                    | S | AA      | AA      |
| C 0366  | VCKYTV1HF104Z | CERAM C 100NF 50V 2125SMD               | S | AA      | AA      |
| C 0367  | VCKYTV1HF104Z | CERAM C 100NF 50V 2125SMD               | S | AA      | AA      |
| C 0368  | RC-FZ4104BMNJ | POL FILM C 100nF 50V 5% ECQ-V PANASONIC | S | AA      | AB      |
| C 0369  | VCCCTV1HH101J | CERAM C 100PF 50V 2125SMD               | S | AA      | **      |
| C 0370  | RC-FZ4332BMNJ | POL FILM C 3.3nF 50V 5% ECQ-B PANASONIC | S | AA      | AB      |
| C 0371  | VCKYTV1HB102K | CERAM C 1NF 50V 2125SMD                 | S | AA      | AA      |
| C 0372  | VCEAGA1HW225M | ELEC C 2.2UF 20% 50V                    | S | AA      | AB      |
| C 0373  | RC-FZ4104BMNJ | POL FILM C 100nF 50V 5% ECQ-V PANASONIC | S | AA      | AB      |
| C 0374  | VCKYTV1HB472K | CERAM C 4.7nF 50V 2125SMD               | S | AA      | AA      |
| C 0375  | VCCCTV1HH561J | CERAM C 560PF 50V 2125SMD               | S | AA      | AA      |
| C 0376  | RC-FZ4474BMNJ | POL FILM C 470nF 50V 5% ECQ-V PANASONIC | S | AA      | **      |
| C 0377  | VCEAGA1CW106M | ELEC C 10UF 20% 16V                     | S | AA      | **      |
| C 0378  | VCEAGA1EW227M | ELEC C 220UF 20% 25V                    | S | AA      | AA      |
| C 0379  | VCKYTV1HF104Z | CERAM C 100NF 50V 2125SMD               | S | AA      | AA      |
| C 0380  | VCKYTV1HF473Z | CERAM C 47NF 50V 2125SMD                | S | AA      | **      |
| C 0381  | RC-FZ4684BMNJ | POL FILM C 680nF 50V 5% ECQ-V PANASONIC | S | AA      | **      |
| C 0382  | RC-FZ4684BMNJ | POL FILM C 680nF 50V 5% ECQ-V PANASONIC | S | AA      | **      |
| C 0383  | VCKYTV1HF103Z | CERAM C 10NF 50V 2125SMD                | S | AA      | AA      |
| C 0401  | VCCCTV1HH101J | CERAM C 100PF 50V 2125SMD               | S | AA      | **      |
| C 0402  | VCCCTV1HH391J | CERAM C 390PF 50V 2125SMD               | S | AA      | **      |
| C 0403  | VCCCTV1HH101J | CERAM C 100PF 50V 2125SMD               | S | AA      | **      |
| C 0406  | VCCCTV1HH391J | CERAM C 390PF 50V 2125SMD               | S | AA      | **      |
| C 0408  | VCKYTV1HF103Z | CERAM C 10NF 50V 2125SMD                | S | AA      | AA      |
| C 0409  | VCCCTV1HH101J | CERAM C 100PF 50V 2125SMD               | S | AA      | **      |
| C 0410  | VCCCTV1HH391J | CERAM C 390PF 50V 2125SMD               | S | AA      | **      |
| C 0411  | VCCCTV1HH101J | CERAM C 100PF 50V 2125SMD               | S | AA      | **      |
| C 0412  | VCCCTV1HH101J | CERAM C 100PF 50V 2125SMD               | S | AA      | **      |
| C 0413  | VCCCTV1HH101J | CERAM C 100PF 50V 2125SMD               | S | AA      | **      |
| C 0414  | VCCCTV1HH391J | CERAM C 390PF 50V 2125SMD               | S | AA      | **      |
| C 0415  | VCEAGA1HW476M | ELEC C 47UF 20% 50V                     | S | AA      | **      |
| C 0416  | VCCCTV1HH101J | CERAM C 100PF 50V 2125SMD               | S | AA      | **      |
| C 0417  | VCCCTV1HH101J | CERAM C 100PF 50V 2125SMD               | S | AA      | **      |
| C 0418  | VCCCTV1HH391J | CERAM C 390PF 50V 2125SMD               | S | AA      | **      |
| C 0419  | VCCCTV1HH391J | CERAM C 390PF 50V 2125SMD               | S | AA      | **      |
| C 0420  | VCCCTV1HH101J | CERAM C 100PF 50V 2125SMD               | S | AA      | **      |
| C 0421  | VCCCTV1HH101J | CERAM C 100PF 50V 2125SMD               | S | AA      | **      |
| C 0422  | VCEAGA1AW476M | ELEC C 47UF 20% 10V                     | S | AA      | **      |
| C 0427  | VRS-TV1J000J  | 2125 0 OHM 5% 1/10W SMD                 | S | AA      | AA      |
| C 0430  | RC-FZ4334BMNJ | POL FILM C 330nF 50V 5% ECQ-V PANASONIC | S | AA      | **      |
| C 0431  | RC-FZ4334BMNJ | POL FILM C 330nF 50V 5% ECQ-V PANASONIC | S | AA      | **      |

| REF No.  | PARTS         | DESCRIPTION                             | * | SN CODE | EX CODE |
|----------|---------------|---|---|---------|---------|
| C 0432   | VCKYTV1CF105Z | CERAM C 1UF 16V 2125SMD                 | S | AA      | **      |
| C 0433   | VCEAGA1CW476M | ELEC C 47UF 20% 16V                     | S | AA      | **      |
| C 0434   | VCKYTV1HF104Z | CERAM C 100NF 50V 2125SMD               | S | AA      | AA      |
| C 0435   | VCKYTV1HF104Z | CERAM C 100NF 50V 2125SMD               | S | AA      | AA      |
| C 0436   | VCKYTV1HF104Z | CERAM C 100NF 50V 2125SMD               | S | AA      | AA      |
| C 0438   | VCCCTV1HH101J | CERAM C 100PF 50V 2125SMD               | S | AA      | **      |
| C 0439   | VCCCTV1HH101J | CERAM C 100PF 50V 2125SMD               | S | AA      | **      |
| C 0440   | VCCCTV1HH101J | CERAM C 100PF 50V 2125SMD               | S | AA      | **      |
| C 0442   | VCCCTV1HH330J | CERAM C 33PF 50V 2125SMD                | S | AA      | **      |
| C 0444   | VCCCTV1HH680J | CERAM C 68PF 50V 2125SMD                | S | AA      | **      |
| C 0445   | VCCCTV1HH680J | CERAM C 68PF 50V 2125SMD                | S | AA      | **      |
| C 0446   | VCCCTV1HH680J | CERAM C 68PF 50V 2125SMD                | S | AA      | **      |
| C 0451   | VCKYTV1HB103K | CERAM C 10NF 50V 2125SMD                | S | AA      | AA      |
| C 0501   | VCEAGA1EW477M | ELEC C 470UF 20% 25V                    | S | AA      | **      |
| C 0502   | VCKYTV1HF104Z | CERAM C 100NF 50V 2125SMD               | S | AA      | AA      |
| C 0503   | VCCCTV1HH101J | CERAM C 100PF 50V 2125SMD               | S | AA      | **      |
| C 0504   | RC-FZ4684BMNJ | POL FILM C 680nF 50V 5% ECQ-V PANASONIC | S | AA      | **      |
| C 0505   | VCKYTV1HF104Z | CERAM C 100NF 50V 2125SMD               | S | AA      | AA      |
| C 0506   | VCKYTV1HF104Z | CERAM C 100NF 50V 2125SMD               | S | AA      | AA      |
| C 0507   | VCKYTV1HB472K | CERAM C 4.7NF 50V 2125SMD               | S | AA      | AA      |
| C 0508   | VCCCTV1HH561J | CERAM C 560PF 50V 2125SMD               | S | AA      | AA      |
| C 0509   | VCEAGA1EW227M | ELEC C 220UF 20% 25V                    | S | AA      | AA      |
| C 0510   | VCKYTV1HF104Z | CERAM C 100NF 50V 2125SMD               | S | AA      | AA      |
| C 0511   | VCEAGA1HW225M | ELEC C 2.2UF 20% 50V                    | S | AA      | AB      |
| C 0512   | VCKYTV1EF224Z | CERAM C 220NF 25V 2125SMD               | S | AA      | AA      |
| C 0514   | RC-FZ4183BMNJ | POL FILM C 18NF 50V 5% ECQ-B PANASONIC  | S | AA      | AA      |
| C 0515   | VCCCTV1HH221J | CERAM C 220PF 50V 2125SMD               | S | AA      | **      |
| C 0516   | VCCCTV1HH101J | CERAM C 100PF 50V 2125SMD               | S | AA      | **      |
| C 0517   | VCKYTV1HB273K | CERAM C 27NF 50V 2125SMD                | S | AA      | AA      |
| C 0518   | VCCCTV1HH100D | CERAM C 10PF 50V 2125SMD                | S | AA      | **      |
| C 0520   | VCEAGA1VW477M | ELEC C 470UF 20% 35V                    | S | AA      | **      |
| C 0521   | VCKYTV1HB102K | CERAM C 1NF 50V 2125SMD                 | S | AA      | AA      |
| C 0522   | VCKYTV1HF104Z | CERAM C 100NF 50V 2125SMD               | S | AA      | AA      |
| C 0523   | VCKYTV1HB102K | CERAM C 1NF 50V 2125SMD                 | S | AA      | AA      |
| C 0524   | RC-FZ4104BMNJ | POL FILM C 100nF 50V 5% ECQ-V PANASONIC | S | AA      | AB      |
| C 0525   | VRS-TV1JD562J | 2125 5.6KOHM 5% 1/10W SMD               | S | AA      | AA      |
| C 0526   | VCEAGA1HW106M | ELEC C 10UF 20% 50V                     | S | AA      | **      |
| C 0527   | VCKYTV1HF104Z | CERAM C 100NF 50V 2125SMD               | S | AA      | AA      |
| C 0528   | VCEAGA2AW106M | ELEC C 10UF 20% 100V                    | S | AA      | **      |
| C 0529   | VCCCTV1HH220J | CERAM C 22PF 50V 2125SMD                | S | AA      | **      |
| C 0530   | VCKYTV1HF103Z | CERAM C 10NF 50V 2125SMD                | S | AA      | AA      |
| C 0533   | VCKYTV1HF103Z | CERAM C 10NF 50V 2125SMD                | S | AA      | AA      |
| C 0534   | VCKYTV1HB102K | CERAM C 1NF 50V 2125SMD                 | S | AA      | AA      |
| C 0535   | VCCCTV1HH101J | CERAM C 100PF 50V 2125SMD               | S | AA      | **      |
| C 0540   | VCKYTV1HF104Z | CERAM C 100NF 50V 2125SMD               | S | AA      | AA      |
| C 0601   | RC-FZ0185BMZZ | C 11NF 1600V PCODE22237534113           | S | AA      | AD      |
| C 0606   | VCKYTV1HB683K | CERAM C 68NF 50V 2125SMD                | S | AA      | AA      |
| C 0607   | VCEAGA1AW337M | ELEC C 330UF 20% 10V                    | S | AA      | **      |
| C 0610   | RC-FZ2621BMNJ | C MKP B32621 22NF 5% 630V SIEMENS       | S | **      | AD      |
| C 0611   | RC-FZ7564BMNJ | PP FILM C 560NF 5% 400V                 | S | AB      | AE      |
| C 0613   | RC-FZ7564BMNJ | PP FILM C 560NF 5% 400V                 | S | AB      | AE      |
| C 0615   | VCEAGA1EW477M | ELEC C 470UF 20% 25V                    | S | AA      | **      |
| C 0616   | VCEAGA1VW477M | ELEC C 470UF 20% 35V                    | S | AA      | **      |
| C 0618   | RC-FZ4474BMNJ | POL FILM C 470nF 50V 5% ECQ-V PANASONIC | S | AA      | **      |
| C 0619   | VCEA4A2CN225M | C UVZ2C2R2MEH1TA NICHICON               | S | AA      | **      |
| C 0620   | VCEA4A2CN225M | C UVZ2C2R2MEH1TA NICHICON               | S | AA      | **      |
| C 0631   | RC-FZ4474BMNJ | POL FILM C 470nF 50V 5% ECQ-V PANASONIC | S | AA      | **      |
| C 0633   | VCCCTV1HH220J | CERAM C 22PF 50V 2125SMD                | S | AA      | **      |
| C 0635   | VCKYTV1HB102K | CERAM C 1NF 50V 2125SMD                 | S | AA      | AA      |
| C 0637   | VCKYPA2HB222K | CERAM C 2.2NF 10% 500V                  | S | AA      | **      |
| C 0638   | VCKYPA2HB222K | CERAM C 2.2NF 10% 500V                  | S | AA      | **      |
| C 0639   | VCCCTV1HH391J | CERAM C 390PF 50V 2125SMD               | S | AA      | **      |
| C 0640   | VCKYTV1HB222K | CERAM C 2.2NF 50V 2125SMD               | S | AA      | AA      |
| C 0644   | VCEAGA1CW227M | ELEC C 220UF 20% 16V                    | S | AA      | **      |
| C 0645   | VCCCTV1HH151J | CERAM C 150PF 50V 2125SMD               | S | AA      | AA      |
| C 0650   | RC-FZ4474BMNJ | POL FILM C 470nF 50V 5% ECQ-V PANASONIC | S | AA      | **      |
| △ C 0701 | RC-FZ0160BMZZ | C B81133-D1474-M 470nF 275V SIEMENS     | S | AC      | AF      |
| C 0702   | RC-FZ0173BMZZ | POL C 47NF 400V PHIL.365                | S | AN      | AZ      |
| C 0703   | RC-K20165BMZZ | CERAM C DE0905-979E33ZAC250             | S | AA      | AB      |
| C 0704   | RC-K20165BMZZ | CERAM C DE0905-979E33ZAC250             | S | AA      | AB      |
| C 0705   | RC-EZ0141BMZZ | ELEC C 68UF 450V                        | S | AD      | AL      |
| C 0706   | VCEAGA1CW226M | ELEC C 22UF 20% 16V                     | S | AA      | **      |
| C 0707   | VCEAGA1CW107M | ELEC C 100UF 20% 16V                    | S | AA      | **      |



| REF No.  | PARTS         | DESCRIPTION                             | * | SN CODE | EX CODE | REF No. | PARTS         | DESCRIPTION               | * | SN CODE | EX CODE |
|----------|---------------|---|---|---------|---------|---------|---------------|---------------------------|---|---------|---------|
| C 0710   | VCKYPB3DE472Z | C DE1110-1E47222K MURATA                | S | AA      | **      | R 0232  | VRD-RA2BE561J | RES 560 OHM 5% 1/8W       | S | AA      | **      |
| C 0711   | RC-KZ0035CEZZ | CERAM C 220PF 2KV                       | S | AA      | AC      | R 0233  | VRD-RA2BE561J | RES 560 OHM 5% 1/8W       | S | AA      | **      |
| C 0712   | VCCCTV1HH101J | CERAM C 100PF 50V 2125SMD               | S | AA      | **      | R 0234  | VRD-RA2BE101J | RES 100 OHM 5% 1/8W       | S | AA      | AA      |
| C 0713   | RC-FZ4104BMNJ | POL FILM C 100nF 50V 5% ECQ-V PANASONIC | S | AA      | AB      | R 0235  | VRS-TV1JD153J | 2125 15KOHM 5% 1/10W SMD  | S | AA      | AA      |
| C 0714   | RC-FZ4823BMNJ | POL FILM C 82nF 50V 5% ECQ-B PANASONIC  | S | AA      | AB      | R 0236  | VRS-TV1JD562J | 2125 5.6KOHM 5% 1/10W SMD | S | AA      | AA      |
| C 0715   | VCCCTV1HH331J | CERAM C 330PF 50V 2125SMD               | S | AA      | AA      | R 0237  | VRS-TV1JD681J | 2125 680 OHM 5% 1/10W SMD | S | AA      | AA      |
| C 0716   | VCKYTV1HB332K | CERAM C 3.3NF 50V 2125SMD               | S | AA      | **      | R 0240  | VRS-TV1JD224J | 2125 220KOHM 5% 1/10W SMD | S | AA      | **      |
| C 0717   | VCKYTV1HB102K | CERAM C 1NF 50V 2125SMD                 | S | AA      | AA      | R 0241  | VRS-TV1JD104J | 2125 100KOHM 5% 1/10W SMD | S | AA      | AA      |
| C 0718   | VCEAGA1EW108M | ELEC C 1000UF 20% 25V                   | S | AD      | AD      | R 0242  | VRS-TV1JD103J | 2125 10KOHM 5% 1/10W SMD  | S | AA      | AA      |
| C 0719   | VCEAGA1EW108M | ELEC C 1000UF 20% 25V                   | S | AD      | AD      | R 0243  | VRS-TV1JD103J | 2125 10KOHM 5% 1/10W SMD  | S | AA      | AA      |
| C 0720   | RC-EZ0258CEZZ | ELEC C 100M 200V                        | S | AC      | AK      | R 0244  | VRS-TV1JD333J | 2125 33KOHM 5% 1/10W SMD  | S | AA      | AA      |
| C 0721   | VCEAHA1VN477M | ELEC 470UF 20% 35V 105°C                | S | AA      | **      | R 0245  | VRS-TV1JD152J | 2125 1.5KOHM 5% 1/10W SMD | S | AA      | AA      |
| C 0722   | VCKYTV1HF104Z | CERAM C 100NF 50V 2125SMD               | S | AA      | AA      | R 0246  | VRS-TV1JD224J | 2125 220KOHM 5% 1/10W SMD | S | AA      | **      |
| C 0723   | VCEAGA1AW228M | ELEC C 2200UF 20% 10V                   | S | AA      | AD      | R 0247  | VRS-TV1JD102J | 2125 1KOHM 5% 1/10W SMD   | S | AA      | AA      |
| C 0724   | VCEAGA1CW227M | ELEC C 220UF 20% 16V                    | S | AA      | **      | R 0248  | VRS-TV1JD000J | 2125 0 OHM 5% 1/10W SMD   | S | AA      | AA      |
| C 0725   | VCKYTV1HB472K | CERAM C 4.7NF 50V 2125SMD               | S | AA      | AA      | R 0251  | VRS-TV1JD683J | 2125 68KOHM 5% 1/10W SMD  | S | AA      | AA      |
| C 0728   | VCKYTV1HF104Z | CERAM C 100NF 50V 2125SMD               | S | AA      | AA      | R 0252  | VRS-TV1JD183J | 2125 18KOHM 5% 1/10W SMD  | S | AA      | AA      |
| C 0730   | VCKYTV1HF103Z | CERAM C 10NF 50V 2125SMD                | S | AA      | AA      | R 0259  | VRS-TV1JD472J | 2125 4.7KOHM 5% 1/10W SMD | S | AA      | AA      |
| C 0731   | VCKYTV1HF103Z | CERAM C 10NF 50V 2125SMD                | S | AA      | AA      | R 0301  | VRS-TV1JD104J | 2125 100KOHM 5% 1/10W SMD | S | AA      | AA      |
| C 0732   | VCKYTV1HF103Z | CERAM C 10NF 50V 2125SMD                | S | AA      | AA      | R 0302  | VRS-TV1JD104J | 2125 100KOHM 5% 1/10W SMD | S | AA      | AA      |
| C 0733   | VCKYTV1HF103Z | CERAM C 10NF 50V 2125SMD                | S | AA      | AA      | R 0303  | VRS-TV1JD101J | 2125 100 OHM 5% 1/10W SMD | S | AA      | AA      |
| C 0735   | VCKYTV1HB272K | CERAM C 2.7NF 50V 2125SMD               | S | AA      | AB      | R 0304  | VRS-TV1JD101J | 2125 100 OHM 5% 1/10W SMD | S | AA      | AA      |
| C 0737   | VCKYTV1CF105Z | CERAM C 1UF 16V 2125SMD                 | S | AA      | **      | R 0306  | VRD-RA2BE101J | RES 100 OHM 5% 1/8W       | S | AA      | AA      |
| C 0738   | VCCCTV1HH560J | CERAM C 56PF 50V 2125SMD                | S | AA      | **      | R 0307  | VRD-RA2BE101J | RES 100 OHM 5% 1/8W       | S | AA      | AA      |
| C 0739   | VCEAGA1CW227M | ELEC C 220UF 20% 16V                    | S | AA      | **      | R 0308  | VRS-TV1JD101J | 2125 100 OHM 5% 1/10W SMD | S | AA      | AA      |
| C 0740   | VCKYTV1HF223Z | CERAM C 22NF 50V 2125SMD                | S | AA      | **      | R 0309  | VRS-TV1JD223J | 2125 22KOHM 5% 1/10W SMD  | S | AA      | AA      |
| C 0741   | VCKYTV1HF104Z | CERAM C 100NF 50V 2125SMD               | S | AA      | AA      | R 0310  | VRS-TV1JD102J | 2125 1KOHM 5% 1/10W SMD   | S | AA      | AA      |
| C 0742   | VCKYTV1HB683K | CERAM C 68NF 50V 2125SMD                | S | AA      | AA      | R 0311  | VRS-TV1JD104J | 2125 100KOHM 5% 1/10W SMD | S | AA      | AA      |
| C 0743   | VCKYTV1HF104Z | CERAM C 100NF 50V 2125SMD               | S | AA      | AA      | R 0312  | VRS-TV1JD223J | 2125 22KOHM 5% 1/10W SMD  | S | AA      | AA      |
| C 0745   | VCKYTV1CF474Z | CERAM C 470NF 16V 2125SMD               | S | AA      | AA      | R 0313  | VRS-TV1JD102J | 2125 1KOHM 5% 1/10W SMD   | S | AA      | AA      |
| △ C 0770 | RC-KZ0106GEZZ | CERAM C DE1410 E332M-KX                 | S | AB      | AC      | R 0314  | VRS-TV1JD104J | 2125 100KOHM 5% 1/10W SMD | S | AA      | AA      |
| C 0821   | VCEAGA1HW225M | ELEC C 2.2UF 20% 50V                    | S | AA      | AB      | R 0315  | VRD-RA2BE101J | RES 100 OHM 5% 1/8W       | S | AA      | AA      |
| C 1001   | VCEAGA0JW477M | ELEC C 470UF 20% 6.3V                   | S | AA      | **      | R 0316  | VRS-TV1JD000J | 2125 0 OHM 5% 1/10W SMD   | S | AA      | AA      |
| C 1002   | VCKYTV1HF104Z | CERAM C 100NF 50V 2125SMD               | S | AA      | AA      | R 0317  | VRS-TV1JD000J | 2125 0 OHM 5% 1/10W SMD   | S | AA      | AA      |
| C 1005   | VCKYTV1HF104Z | CERAM C 100NF 50V 2125SMD               | S | AA      | AA      | R 0318  | VRS-TV1JD104J | 2125 100KOHM 5% 1/10W SMD | S | AA      | AA      |
| C 1014   | VCKYTV1HF104Z | CERAM C 100NF 50V 2125SMD               | S | AA      | AA      | R 0319  | VRS-TV1JD101J | 2125 100 OHM 5% 1/10W SMD | S | AA      | AA      |
| C 1017   | VCKYTV1HF333Z | CERAM C 33NF 50V 2125SMD                | S | AA      | AA      | R 0320  | VRS-TV1JD101J | 2125 100 OHM 5% 1/10W SMD | S | AA      | AA      |
| C 1018   | VCKYTV1HF104Z | CERAM C 100NF 50V 2125SMD               | S | AA      | AA      | R 0321  | VRS-TV1JD104J | 2125 100KOHM 5% 1/10W SMD | S | AA      | AA      |
| C 1019   | VCCCTV1HH220J | CERAM C 22PF 50V 2125SMD                | S | AA      | **      | R 0322  | VRS-TV1JD104J | 2125 100KOHM 5% 1/10W SMD | S | AA      | AA      |
| C 1020   | VCCCTV1HH220J | CERAM C 22PF 50V 2125SMD                | S | AA      | **      | R 0323  | VRS-TV1JD104J | 2125 100KOHM 5% 1/10W SMD | S | AA      | AA      |
| C 1021   | VCKYTV1HF104Z | CERAM C 100NF 50V 2125SMD               | S | AA      | AA      | R 0350  | VRS-TV1JD103J | 2125 10KOHM 5% 1/10W SMD  | S | AA      | AA      |
| C 1022   | VCKYTV1HF104Z | CERAM C 100NF 50V 2125SMD               | S | AA      | AA      | R 0351  | VRS-TV1JD273J | 2125 27KOHM 5% 1/10W SMD  | S | AA      | **      |
| C 1026   | VCKYTV1HF103Z | CERAM C 10NF 50V 2125SMD                | S | AA      | AA      | R 0352  | VRS-TV1JD103J | 2125 10KOHM 5% 1/10W SMD  | S | AA      | AA      |
| C 1027   | VCEAGA1CW476M | ELEC C 47UF 20% 16V                     | S | AA      | **      | R 0353  | VRS-TV1JD151J | 2125 150 OHM 5% 1/10W SMD | S | AA      | AA      |
| C 1028   | VCKYTV1HF104Z | CERAM C 100NF 50V 2125SMD               | S | AA      | AA      | R 0354  | VRS-TV1JD103J | 2125 10KOHM 5% 1/10W SMD  | S | AA      | AA      |
| C 1030   | VCCCTV1HH331J | CERAM C 330PF 50V 2125SMD               | S | AA      | AA      | R 0355  | VRS-TV1JD273J | 2125 27KOHM 5% 1/10W SMD  | S | AA      | **      |
| C 1031   | VCKZPA1HF103Z | CERAM C 10NF % 50V                      | S | AA      | **      | R 0356  | VRS-TV1JD123J | 2125 12KOHM 5% 1/10W SMD  | S | AA      | AA      |
| C 1032   | VCEAGA1HW225M | ELEC C 2.2UF 20% 50V                    | S | AA      | AB      | R 0357  | VRS-TV1JD151J | 2125 150 OHM 5% 1/10W SMD | S | AA      | AA      |
| C 1033   | VCKYTV1HF683Z | CERAM C 68NF 50V 2125SMD                | S | AA      | **      | R 0358  | VRS-TV1JD104J | 2125 100KOHM 5% 1/10W SMD | S | AA      | AA      |
| C 2401   | VCCCTV1HH220J | CERAM C 22PF 50V 2125SMD                | S | AA      | **      | R 0359  | VRD-RA2BE104J | RES 100KOHM 5% 1/8W       | S | AA      | **      |
| C 2402   | VCCCTV1HH220J | CERAM C 22PF 50V 2125SMD                | S | AA      | **      | R 0360  | VRS-TV1JD103J | 2125 10KOHM 5% 1/10W SMD  | S | AA      | AA      |
| C 2403   | VCKYTV1HF104Z | CERAM C 100NF 50V 2125SMD               | S | AA      | AA      | R 0361  | VRS-TV1JD103J | 2125 10KOHM 5% 1/10W SMD  | S | AA      | AA      |
| C 2404   | VCKYTV1HF104Z | CERAM C 100NF 50V 2125SMD               | S | AA      | AA      | R 0362  | VRS-TV1JD472J | 2125 4.7KOHM 5% 1/10W SMD | S | AA      | AA      |
| C 2405   | VCKYTV1EF224Z | CERAM C 220NF 25V 2125SMD               | S | AA      | AA      | R 0363  | VRS-TV1JD472J | 2125 4.7KOHM 5% 1/10W SMD | S | AA      | AA      |
| C 2406   | VCKYTV1HF104Z | CERAM C 100NF 50V 2125SMD               | S | AA      | AA      | R 0372  | VRS-TV1JD103J | 2125 10KOHM 5% 1/10W SMD  | S | AA      | AA      |
| C 2407   | VCKYTV1EF224Z | CERAM C 220NF 25V 2125SMD               | S | AA      | AA      | R 0373  | VRS-TV1JD103J | 2125 10KOHM 5% 1/10W SMD  | S | AA      | AA      |
|          |               | <b>RESISTORS</b>                        |   |         |         | R 0374  | VRS-TV1JD473J | 2125 47KOHM 5% 1/10W SMD  | S | AA      | AA      |
| R 0203   | VRS-TV1JD102J | 2125 1KOHM 5% 1/10W SMD                 | S | AA      | AA      | R 0375  | VRS-TV1JD473J | 2125 47KOHM 5% 1/10W SMD  | S | AA      | AA      |
| R 0204   | VRS-TV1JD102J | 2125 1KOHM 5% 1/10W SMD                 | S | AA      | AA      | R 0376  | VRS-TV1JD472J | 2125 4.7KOHM 5% 1/10W SMD | S | AA      | AA      |
| R 0205   | VRS-TV1JD391J | 2125 390 OHM 5% 1/10W SMD               | S | AA      | AA      | R 0377  | VRS-TV1JD333J | 2125 33KOHM 5% 1/10W SMD  | S | AA      | AA      |
| R 0208   | VRS-TV1JD102J | 2125 1KOHM 5% 1/10W SMD                 | S | AA      | AA      | R 0378  | VRS-TV1JD333J | 2125 33KOHM 5% 1/10W SMD  | S | AA      | AA      |
| R 0209   | VRS-TV1JD332J | 2125 3.3KOHM 5% 1/10W SMD               | S | AA      | **      | R 0402  | VRS-TV1JD750J | 2125 75 OHM 5% 1/10W SMD  | S | AA      | **      |
| R 0210   | VRS-TV1JD152J | 2125 1.5KOHM 5% 1/10W SMD               | S | AA      | AA      | R 0403  | VRS-TV1JD101J | 2125 100 OHM 5% 1/10W SMD | S | AA      | AA      |
| R 0211   | VRS-TV1JD102J | 2125 1KOHM 5% 1/10W SMD                 | S | AA      | AA      | R 0404  | VRS-TV1JD101J | 2125 100 OHM 5% 1/10W SMD | S | AA      | AA      |
| R 0215   | VRS-TV1JD103J | 2125 10KOHM 5% 1/10W SMD                | S | AA      | AA      | R 0405  | VRS-TV1JD101J | 2125 100 OHM 5% 1/10W SMD | S | AA      | AA      |
| R 0216   | VRS-TV1JD151J | 2125 150 OHM 5% 1/10W SMD               | S | AA      | AA      | R 0406  | VRS-TV1JD101J | 2125 100 OHM 5% 1/10W SMD | S | AA      | AA      |
| R 0217   | VRS-TV1JD681J | 2125 680 OHM 5% 1/10W SMD               | S | AA      | AA      | R 0408  | VRD-RA2EE750J | RES 75 OHM 5% 1/4W        | S | AA      | **      |
| R 0219   | VRS-TV1JD473J | 2125 47KOHM 5% 1/10W SMD                | S | AA      | AA      | R 0409  | VRS-TV1JD750J | 2125 75 OHM 5% 1/10W SMD  | S | AA      | **      |
| R 0220   | VRS-TV1JD473J | 2125 47KOHM 5% 1/10W SMD                | S | AA      | AA      | R 0410  | VRS-TV1JD223F | 2125 22KOHM 1% 1/10W SMD  | S | AA      | **      |
| R 0226   | VRS-TV1JD000J | 2125 0 OHM 5% 1/10W SMD                 | S | AA      | AA      | R 0412  | VRS-TV1JD101J | 2125 100 OHM 5% 1/10W SMD | S | AA      | AA      |
| R 0229   | VRD-RA2HD822J | RES 8.2KOHM 5% 1/2W                     | S | AA      | **      | R 0413  | VRS-TV1JD101J | 2125 100 OHM 5% 1/10W SMD | S | AA      | AA      |
| R 0230   | VRD-RA2HD822J | RES 8.2KOHM 5% 1/2W                     | S | AA      | **      | R 0414  | VRS-TV1JD101J | 2125 100 OHM 5% 1/10W SMD | S | AA      | AA      |
| R 0231   | VRD-RA2HD822J | RES 8.2KOHM 5% 1/2W                     | S | AA      | **      | R 0415  | VRS-TV1JD101J | 2125 100 OHM 5% 1/10W SMD | S | AA      | AA      |
|          |               |   |   |         |         | R 0416  | VRS-TV1JD223F | 2125 22KOHM 1% 1/10W SMD  | S | AA      | **      |



| REF No. | PARTS         | DESCRIPTION               | * | SN CODE | EX CODE | REF No.  | PARTS         | DESCRIPTION                   | * | SN CODE | EX CODE |
|---------|---------------|---------------------------|---|---------|---------|----------|---------------|-------------------------------|---|---------|---------|
| R 0418  | VRD-RA2HD680J | RES 68 OHM 5% 1/2W        | S | AA      | **      | R 0537   | VRS-TV1JD822J | 2125 8.2KOHM 5% 1/10W SMD     | S | AA      | AA      |
| R 0419  | VRD-RA2EE750J | RES 75 OHM 5% 1/4W        | S | AA      | **      | R 0538   | VRS-TV1JD273J | 2125 27KOHM 5% 1/10W SMD      | S | AA      | **      |
| R 0420  | VRD-RA2BE102J | RES 1KOHM 5% 1/8W         | S | AA      | **      | R 0539   | VRS-TV1JD332J | 2125 3.3KOHM 5% 1/10W SMD     | S | AA      | **      |
| R 0421  | VRS-TV1JD750J | 2125 75 OHM 5% 1/10W SMD  | S | AA      | **      | R 0540   | VRS-TV1JD472J | 2125 4.7KOHM 5% 1/10W SMD     | S | AA      | AA      |
| R 0422  | VRS-TV1JD750J | 2125 75 OHM 5% 1/10W SMD  | S | AA      | **      | R 0544   | VRS-TV1JD102J | 2125 1KOHM 5% 1/10W SMD       | S | AA      | AA      |
| R 0423  | VRS-TV1JD750J | 2125 75 OHM 5% 1/10W SMD  | S | AA      | **      | R 0545   | VRS-TV1JD104J | 2125 100KOHM 5% 1/10W SMD     | S | AA      | AA      |
| R 0424  | VRD-RA2BE750J | RES 75 OHM 5% 1/8W        | S | AA      | **      | R 0547   | VRS-TV1JD392J | 2125 3.9KOHM 5% 1/10W SMD     | S | AA      | **      |
| R 0425  | VRD-RA2EE750J | RES 75 OHM 5% 1/4W        | S | AA      | **      | R 0548   | VRS-TV1JD682J | 2125 6.8KOHM 5% 1/10W SMD     | S | AA      | **      |
| R 0426  | VRD-RA2BE750J | RES 75 OHM 5% 1/8W        | S | AA      | **      | R 0549   | VRS-TV1JD273J | 2125 27KOHM 5% 1/10W SMD      | S | AA      | **      |
| R 0427  | VRS-TV1JD820J | 2125 82 OHM 5% 1/10W SMD  | S | AA      | AA      | R 0552   | VRS-TV1JD681J | 2125 680 OHM 5% 1/10W SMD     | S | AA      | AA      |
| R 0428  | VRS-TV1JD101J | 2125 100 OHM 5% 1/10W SMD | S | AA      | AA      | R 0553   | RR-XZ0101BMZZ | FUS RES 1R2 TAP 5% 1/3W       | S | AA      | AB      |
| R 0429  | VRS-TV1JD101J | 2125 100 OHM 5% 1/10W SMD | S | AA      | AA      | R 0561   | VRS-TV1JD102J | 2125 1KOHM 5% 1/10W SMD       | S | AA      | AA      |
| R 0430  | VRS-TV1JD101J | 2125 100 OHM 5% 1/10W SMD | S | AA      | AA      | R 0562   | VRS-TV1JD102J | 2125 1KOHM 5% 1/10W SMD       | S | AA      | AA      |
| R 0431  | VRS-TV1JD101J | 2125 100 OHM 5% 1/10W SMD | S | AA      | AA      | R 0603   | VRD-RA2BE331J | RES 330 OHM 5% 1/8W           | S | AA      | **      |
| R 0432  | VRS-TV1JD104J | 2125 100KOHM 5% 1/10W SMD | S | AA      | AA      | R 0604   | VRN-VV3ABR33J | MET FILM R .33 OHM 5% 1W      | S | AA      | AA      |
| R 0433  | VRS-TV1JD104J | 2125 100KOHM 5% 1/10W SMD | S | AA      | AA      | R 0605   | VRS-TV1JD222J | 2125 2.2KOHM 5% 1/10W SMD     | S | AA      | **      |
| R 0434  | VRS-TV1JD102J | 2125 1KOHM 5% 1/10W SMD   | S | AA      | AA      | R 0606   | VRS-VV3AB102J | MET OX RES 1KOHM 5% 1W        | S | AA      | **      |
| R 0435  | VRS-TV1JD102J | 2125 1KOHM 5% 1/10W SMD   | S | AA      | AA      | R 0607   | VRS-TV1JD682J | 2125 6.8KOHM 5% 1/10W SMD     | S | AA      | **      |
| R 0436  | RR-XZ0112BMZZ | FUS RES 10R TAP 5% 1/3W   | S | AA      | AB      | R 0608   | VRD-RA2EE330J | RES 33 OHM 5% 1/4W            | S | AA      | AA      |
| R 0437  | VRS-TV1JD471J | 2125 470 OHM 5% 1/10W SMD | S | AA      | **      | R 0610   | RR-XZ0208BMZZ | FUS RES 4R7 TAP 5% 1/2W       | S | AA      | AA      |
| R 0445  | VRS-TV1JD104J | 2125 100KOHM 5% 1/10W SMD | S | AA      | AA      | R 0611   | VRS-VV3DB561J | MET OX RES 560 OHM 5% 2W      | S | AA      | AA      |
| R 0447  | VRS-TV1JD221J | 2125 220 OHM 5% 1/10W SMD | S | AA      | AA      | R 0613   | VRS-LU3LB332J | SET MET OX R 3.3KOHM 5% 3W LW | S | AA      | AB      |
| R 0448  | VRS-TV1JD221J | 2125 220 OHM 5% 1/10W SMD | S | AA      | AA      | R 0614   | VRD-RA2HD103J | RES 10KOHM 5% 1/2W            | S | AA      | **      |
| R 0450  | VRS-TV1JD220J | 2125 22 OHM 5% 1/10W SMD  | S | AA      | **      | R 0615   | VRS-TV1JD561J | 2125 560 OHM 5% 1/10W SMD     | S | AA      | AA      |
| R 0451  | VRD-RA2HD221J | RES 22 OHM 5% 1/2W        | S | AA      | AA      | R 0616   | VRN-VV3LB1R5J | MET FILM R 1.5 OHM 5% 3W      | S | AA      | AB      |
| R 0452  | VRS-TV1JD223F | 2125 22KOHM 1% 1/10W SMD  | S | AA      | **      | R 0617   | RR-XZ0204BMZZ | FUS RES 2R2 TAP 5% 1/2W       | S | AA      | AB      |
| R 0453  | VRS-TV1JD183F | 2125 18KOHM 1% 1/10W SMD  | S | AA      | **      | R 0623   | VRN-VV3LBR56J | MET FILM R 0.56 OHM 5% 3W     | S | AA      | AB      |
| R 0454  | VRS-TV1JD681J | 2125 680 OHM 5% 1/10W SMD | S | AA      | AA      | R 0625   | VRS-TQ2BD181J | OX RE 180 OHM 5% 1/8W SMD     | S | AA      | **      |
| R 0455  | VRD-RA2BE103J | RES 10KOHM 5% 1/8W        | S | AA      | **      | R 0627   | VRS-TQ2BD181J | OX RE 180 OHM 5% 1/8W SMD     | S | AA      | **      |
| R 0456  | VRS-TV1JD153J | 2125 15KOHM 5% 1/10W SMD  | S | AA      | AA      | R 0628   | VRD-RA2EE330J | RES 33 OHM 5% 1/4W            | S | AA      | AA      |
| R 0458  | VRS-TV1JD102J | 2125 1KOHM 5% 1/10W SMD   | S | AA      | AA      | R 0634   | VRS-TV1JD221J | 2125 220 OHM 5% 1/10W SMD     | S | AA      | AA      |
| R 0459  | VRS-TV1JD102J | 2125 1KOHM 5% 1/10W SMD   | S | AA      | AA      | R 0641   | VRD-RA2HD470J | RES 47 OHM 5% 1/2W            | S | AA      | **      |
| R 0460  | VRS-TV1JD183F | 2125 18KOHM 1% 1/10W SMD  | S | AA      | **      | R 0647   | VRS-TV1JD000J | 2125 0 OHM 5% 1/10W SMD       | S | AA      | AA      |
| R 0461  | VRS-TV1JD104J | 2125 100KOHM 5% 1/10W SMD | S | AA      | AA      | R 0650   | VRD-RA2BE152J | RES 1.5KOHM 5% 1/8W           | S | AA      | AA      |
| R 0462  | VRS-TV1JD183F | 2125 18KOHM 1% 1/10W SMD  | S | AA      | **      | R 0653   | VRD-RA2BE153J | RES 15KOHM 5% 1/8W            | S | AA      | AA      |
| R 0463  | VRS-TV1JD101J | 2125 100 OHM 5% 1/10W SMD | S | AA      | AA      | R 0703   | VRD-RA2HD154J | RES 150KOHM 5% 1/2W           | S | AA      | **      |
| R 0464  | VRD-RA2BE221J | RES 220 OHM 5% 1/8W       | S | AA      | AA      | R 0706   | VRS-TV1JD203J | 2125 20KOHM 5% 1/10W SMD      | S | AA      | **      |
| R 0465  | VRS-TV1JD103J | 2125 10KOHM 5% 1/10W SMD  | S | AA      | AA      | R 0707   | VRS-TV1JD912J | 2125 9.1KOHM 5% 1/10W SMD     | S | AA      | **      |
| R 0466  | VRS-TV1JD102J | 2125 1KOHM 5% 1/10W SMD   | S | AA      | AA      | R 0708   | VRS-TV1JD102J | 2125 1KOHM 5% 1/10W SMD       | S | AA      | AA      |
| R 0467  | VRS-TV1JD333J | 2125 33KOHM 5% 1/10W SMD  | S | AA      | AA      | R 0711   | VRS-TV1JD182J | 2125 1.8KOHM 5% 1/10W SMD     | S | AA      | AA      |
| R 0468  | VRS-TV1JD330J | 2125 33 OHM 5% 1/10W SMD  | S | AA      | AA      | R 0712   | VRS-TV1JD561J | 2125 560 OHM 5% 1/10W SMD     | S | AA      | AA      |
| R 0469  | VRS-TV1JD750J | 2125 75 OHM 5% 1/10W SMD  | S | AA      | **      | R 0713   | VRC-MA2HG564J | SOLID R 560KOHM 5% 1/2W       | S | AA      | AA      |
| R 0470  | VRS-TV1JD750J | 2125 75 OHM 5% 1/10W SMD  | S | AA      | **      | R 0714   | VRC-MA2HG564J | SOLID R 560KOHM 5% 1/2W       | S | AA      | AA      |
| R 0472  | VRD-RA2BE750J | RES 75 OHM 5% 1/8W        | S | AA      | **      | R 0715   | VRW-KS3HC473J | WOUND RES 47KOHM 5% 5W        | S | AA      | AE      |
| R 0501  | VRD-RA2HD151J | RES 150 OHM 5% 1/2W       | S | AA      | **      | R 0716   | VRN-VV3DBR18K | MET FILM R .18 OHM 10% 2W     | S | AA      | AB      |
| R 0502  | VRS-TV1JD222J | 2125 2.2KOHM 5% 1/10W SMD | S | AA      | **      | R 0717   | VRS-TV1JD223J | 2125 22KOHM 5% 1/10W SMD      | S | AA      | AA      |
| R 0503  | VRD-RA2BE102J | RES 1KOHM 5% 1/8W         | S | AA      | **      | R 0718   | VRS-TQ2BD000J | 3216 0 OHM 5% 1/8W SMD        | S | AA      | **      |
| R 0504  | VRS-TV1JD393J | 2125 39KOHM 5% 1/10W SMD  | S | AA      | **      | R 0719   | VRS-TV1JD221J | 2125 220 OHM 5% 1/10W SMD     | S | AA      | AA      |
| R 0505  | VRS-TV1JD222J | 2125 2.2KOHM 5% 1/10W SMD | S | AA      | **      | R 0720   | VRS-TV1JD103J | 2125 10KOHM 5% 1/10W SMD      | S | AA      | AA      |
| R 0506  | VRS-TQ2BD121J | OX RE 120 OHM 5% 1/8W SMD | S | AA      | **      | R 0721   | VRD-RA2HD154J | RES 150KOHM 5% 1/2W           | S | AA      | **      |
| R 0507  | VRS-TV1JD822J | 2125 8.2KOHM 5% 1/10W SMD | S | AA      | AA      | R 0722   | VRS-TV1JD330J | 2125 33 OHM 5% 1/10W SMD      | S | AA      | AA      |
| R 0508  | VRD-RA2BE681J | RES 680 OHM 5% 1/8W       | S | AA      | **      | R 0723   | VRS-VV3AB271J | MET OX RES 270 OHM 5% 1W      | S | AA      | AA      |
| R 0509  | VRS-TV1JD393J | 2125 39KOHM 5% 1/10W SMD  | S | AA      | **      | R 0724   | VRS-TQ2BD271J | OX RE 270 OHM 5% 1/8W SMD     | S | AA      | AA      |
| R 0510  | VRS-TV1JD822J | 2125 8.2KOHM 5% 1/10W SMD | S | AA      | AA      | R 0727   | VRD-RA2HD181J | RES 180 OHM 5% 1/2W           | S | AA      | AA      |
| R 0511  | VRS-TV1JD151J | 2125 150 OHM 5% 1/10W SMD | S | AA      | AA      | R 0728   | VRD-RA2HD181J | RES 180 OHM 5% 1/2W           | S | AA      | AA      |
| R 0512  | VRS-TV1JD222J | 2125 2.2KOHM 5% 1/10W SMD | S | AA      | **      | R 0730   | VRS-VV3DB151J | MET OX RES 150 OHM 5% 2W      | S | AA      | AA      |
| R 0513  | VRS-TV1JD104J | 2125 100KOHM 5% 1/10W SMD | S | AA      | AA      | R 0733   | VRS-TV1JD473J | 2125 47KOHM 5% 1/10W SMD      | S | AA      | AA      |
| R 0514  | VRS-TV1JD271J | 2125 270 OHM 5% 1/10W SMD | S | AA      | AA      | R 0735   | VRS-TV1JD474J | 2125 470KOHM 5% 1/10W SMD     | S | AA      | **      |
| R 0515  | VRS-TV1JD821J | 2125 820 OHM 5% 1/10W SMD | S | AA      | **      | R 0736   | VRS-TV1JD474J | 2125 470KOHM 5% 1/10W SMD     | S | AA      | **      |
| R 0516  | VRS-TV1JD102J | 2125 1KOHM 5% 1/10W SMD   | S | AA      | AA      | R 0737   | VRS-TV1JD184J | 2125 180KOHM 5% 1/10W SMD     | S | AA      | **      |
| R 0517  | VRS-TV1JD153J | 2125 15KOHM 5% 1/10W SMD  | S | AA      | AA      | R 0738   | VRS-TV1JD473J | 2125 47KOHM 5% 1/10W SMD      | S | AA      | AA      |
| R 0518  | VRN-VV3DB1R0J | MET FILM R 1 OHM 5% 2W    | S | AA      | AA      | R 0739   | VRS-TV1JD473J | 2125 47KOHM 5% 1/10W SMD      | S | AA      | AA      |
| R 0519  | VRD-RA2HD104J | RES 100KOHM 5% 1/2W       | S | AA      | AA      | R 0740   | VRS-TV1JD473J | 2125 47KOHM 5% 1/10W SMD      | S | AA      | AA      |
| R 0521  | VRS-TV1JD103J | 2125 10KOHM 5% 1/10W SMD  | S | AA      | AA      | △ R 0741 | VRC-UA2HG825K | SOLID R 8.2MOHM 10% 1/2W      | S | AA      | AA      |
| R 0522  | VRS-TV1JD331J | 2125 330 OHM 5% 1/10W SMD | S | AA      | **      | △ R 0742 | VRC-UA2HG825K | SOLID R 8.2MOHM 10% 1/2W      | S | AA      | AA      |
| R 0524  | VRS-TV1JD820J | 2125 82 OHM 5% 1/10W SMD  | S | AA      | AA      | R 0743   | VRS-TQ2BD473F | OX RE 47KOHM 1% 1/8W          | S | AA      | AA      |
| R 0526  | VRD-RA2BE332J | RES 3.3KOHM 5% 1/8W       | S | AA      | **      | R 0744   | VRS-TQ2BD473F | OX RE 47KOHM 1% 1/8W          | S | AA      | AA      |
| R 0527  | VRS-TV1JD561J | 2125 560 OHM 5% 1/10W SMD | S | AA      | AA      | R 0745   | VRS-TV1JD182F | 2125 1.8KOHM 1% 1/10W SMD     | S | AA      | AA      |
| R 0528  | VRS-TV1JD104J | 2125 100KOHM 5% 1/10W SMD | S | AA      | AA      | R 0746   | VRS-TV1JD153J | 2125 15KOHM 5% 1/10W SMD      | S | AA      | AA      |
| R 0530  | RR-XZ0212BMZZ | FUS RES 10R TAP 5% 1/2W   | S | AA      | AB      | R 0747   | VRS-TV1JD272J | 2125 2.7KOHM 5% 1/10W SMD     | S | AA      | **      |
| R 0532  | VRS-TV1JD682J | 2125 6.8KOHM 5% 1/10W SMD | S | AA      | **      | R 0748   | VRS-TV1JD472J | 2125 4.7KOHM 5% 1/10W SMD     | S | AA      | AA      |
| R 0533  | VRD-RA2EE821J | RES 820 OHM 5% 1/4W       | S | AA      | **      | R 0750   | VRS-TV1JD105J | 2125 1MOHM 5% 1/10W SMD       | S | AA      | AA      |
| R 0534  | VRD-RA2BE273J | RES 27KOHM 5% 1/8W        | S | AA      | **      | R 0751   | VRS-TV1JD102J | 2125 1KOHM 5% 1/10W SMD       | S | AA      | AA      |
| R 0535  | VRS-TV1JD682J | 2125 6.8KOHM 5% 1/10W SMD | S | AA      | **      | R 0754   | VRS-TV1JD2R7J | 2125 2.7 OHM 5% 1/10W SMD     | S | AA      | **      |



| REF No.                    | PARTS         | DESCRIPTION               | * | SN CODE | EX CODE | REF No.          | PARTS         | DESCRIPTION                       | * | SN CODE | EX CODE |
|----------------------------|---------------|---------------------------|---|---------|---------|------------------|---------------|-----------------------------------|---|---------|---------|
| J 0352                     | VRS-TV1JD000J | 2125 0 OHM 5% 1/10W SMD   | S | AA      | AA      | C 0854           | VCCCPA1HH100D | CERAM C 10PF 05% 50V              | S | AA      | **      |
| J 0360                     | VRS-TV1JD000J | 2125 0 OHM 5% 1/10W SMD   | S | AA      | AA      | C 0855           | VCCCPA1HH100D | CERAM C 10PF 05% 50V              | S | AA      | **      |
| J 0361                     | VRS-TV1JD000J | 2125 0 OHM 5% 1/10W SMD   | S | AA      | AA      | C 0856           | RC-FZ9224BMNJ | POL FILM C 220NF 5% 63V           | S | AA      | AC      |
| J 0701                     | VCKYTV1HF104Z | CERAM C 100NF 50V 2125SMD | S | AA      | AA      | C 0857           | VCCCPA1HH100D | CERAM C 10PF 05% 50V              | S | AA      | **      |
| JF 0003                    | VRS-TV1JD000J | 2125 0 OHM 5% 1/10W SMD   | S | AA      | AA      | C 0859           | RC-FZ9104BMNJ | POL FILM C 100NF 5% 63V           | S | AA      | AB      |
| JF 0020                    | VRS-TV1JD000J | 2125 0 OHM 5% 1/10W SMD   | S | AA      | AA      | C 0861           | VCCCPA1HH5R0C | CERAM C 5PF % 50V                 | S | AA      | **      |
| JF 0022                    | VRS-TV1JD000J | 2125 0 OHM 5% 1/10W SMD   | S | AA      | AA      | C 0862           | VCCCPA1HH100D | CERAM C 10PF 05% 50V              | S | AA      | **      |
| JF 0030                    | VRS-TV1JD470J | 2125 47 OHM 5% 1/10W SMD  | S | AA      | **      | C 0863           | VCEAGA1CW106M | ELEC C 10UF 20% 16V               | S | AA      | **      |
| JF 0039                    | VRS-TV1JD000J | 2125 0 OHM 5% 1/10W SMD   | S | AA      | AA      | C 0865           | VCCCPA1HH7R0D | CERAM C 7PF % 50V                 | S | AA      | **      |
| JF 0041                    | VRS-TV1JD000J | 2125 0 OHM 5% 1/10W SMD   | S | AA      | AA      | C 0868           | VCEAGH2EW107M | ELEC C 100MF 20% 250V             | S | AC      | AH      |
| JF 0046                    | VRS-TV1JD000J | 2125 0 OHM 5% 1/10W SMD   | S | AA      | AA      | C 0869           | VCKYPB3DE472Z | C DE1110-1E4722ZK MURATA          | S | AA      | **      |
| JF 0047                    | VRS-TV1JD000J | 2125 0 OHM 5% 1/10W SMD   | S | AA      | AA      | C 0871           | RC-FZ9103BMNJ | POL FILM C 10NF 5% 63V            | S | AA      | AB      |
| JF 0052                    | VRS-TV1JD000J | 2125 0 OHM 5% 1/10W SMD   | S | AA      | AA      | C 0874           | RC-FZ9103BMNJ | POL FILM C 10NF 5% 63V            | S | AA      | AB      |
| JF 1001                    | VRS-TV1JD000J | 2125 0 OHM 5% 1/10W SMD   | S | AA      | AA      | C 0877           | RC-FZ9103BMNJ | POL FILM C 10NF 5% 63V            | S | AA      | AB      |
| JF 1008                    | VRS-TV1JD000J | 2125 0 OHM 5% 1/10W SMD   | S | AA      | AA      | C 0880           | VCFYAA2EA333K | POL FILM C 33NF 10% 250V          | S | AC      | AE      |
| JL 0012                    | QCNW-2736BMZZ | WIRE 1 WAY                | S | AB      | **      | C 0881           | VCCSPA1HL561J | CERAM C 560PF 5% 50V              | S | AA      | **      |
| JL 0014                    | QCNW-2736BMZZ | WIRE 1 WAY                | S | AB      | **      | C 0882           | VCFYAA2EA333K | POL FILM C 33NF 10% 250V          | S | AC      | AE      |
| L 0002                     | QTIPM0017CEFM | TIP                       | S | AA      | AA      | C 0883           | VCCSPA1HL561J | CERAM C 560PF 5% 50V              | S | AA      | **      |
| L 0005                     | QTIPM0017CEFM | TIP                       | S | AA      | AA      | C 0884           | VCFYAA2EA333K | POL FILM C 33NF 10% 250V          | S | AC      | AE      |
| L 0006                     | QTIPM0017CEFM | TIP                       | S | AA      | AA      | C 0885           | VCCSPA1HL561J | CERAM C 560PF 5% 50V              | S | AA      | **      |
| T 0702                     | VHDBTW34F/-1  | DIODE BT134W-500 PHILIPS  | S | AD      | AE      | C 0887           | VCEAGA1CW227M | ELEC C 220UF 20% 16V              | S | AA      | **      |
| △ VS                       | QPLGN0341CEZZ | PLUG                      | S | AA      | **      | C 0890           | RC-FZ9223BMNJ | POL FILM C 22NF 5% 63V            | S | AA      | AB      |
| <b>PWB-B TRC UNIT</b>      |               |                           |   |         |         | C 0891           | VCCCPA1HH101J | C CAPACITOR                       | S | AA      | AA      |
| <b>INTEGRATED CIRCUITS</b> |               |                           |   |         |         | C 0892           | VCCCPA1HH101J | C CAPACITOR                       | S | AA      | AA      |
| IC 0850                    | WHITDA6111Q-1 | IC TDA6111Q PHILIPS       | S | AH      | AQ      | C 0893           | VCCCPA1HH101J | C CAPACITOR                       | S | AA      | AA      |
| IC 0851                    | WHITDA6111Q-1 | IC TDA6111Q PHILIPS       | S | AH      | AQ      | C 1610           | RC-FZ9104BMNJ | POL FILM C 100NF 5% 63V           | S | AA      | AB      |
| IC 0852                    | WHITDA6111Q-1 | IC TDA6111Q PHILIPS       | S | AH      | AQ      | C 1611           | RC-FZ9102BMNJ | POL FILM C 1NF 5% 63V             | S | AA      | AB      |
| Q 1601                     | VS2SC5022/1E  | TRT C5022 HITACHI         | S | AB      | AF      | C 1614           | VCKZPA1HF103Z | CERAM C 10NF % 50V                | S | AA      | **      |
| <b>TRANSISTORS</b>         |               |                           |   |         |         | C 5405           | RC-FZ9224BMNJ | POL FILM C 220NF 5% 63V           | S | AA      | AC      |
| Q 0851                     | VS2SA1246/1E  | TRT A1246 SANYO           | S | AA      | AB      | C 5407           | RC-FZ9103BMNJ | POL FILM C 10NF 5% 63V            | S | AA      | AB      |
| Q 0852                     | RH-TX0142BMZZ | TRT TBC 547-B TOSHIBA     | S | AA      | AB      | C 5408           | RC-FZ0156BMZZ | C B32529-B6473K 47nF 400V SIEMENS | S | AD      | AE      |
| Q 0853                     | RH-TX0142BMZZ | TRT TBC 547-B TOSHIBA     | S | AA      | AB      | C 5409           | RC-FZ9122BMNJ | POL FILM C 1,2NF 5% 63V           | S | AA      | AB      |
| Q 0854                     | RH-TX0142BMZZ | TRT TBC 547-B TOSHIBA     | S | AA      | AB      | C 5414           | VCEAGA2CW226M | ELEC C 22UF 20% 160V              | S | AA      | **      |
| Q 0855                     | RH-TX0143BMZZ | TRT TBC 557-B TOSHIBA     | S | AA      | AA      | C 5416           | VCCCPA1HH100D | CERAM C 10PF 05% 50V              | S | AA      | **      |
| Q 0856                     | RH-TX0142BMZZ | TRT TBC 547-B TOSHIBA     | S | AA      | AB      | C 5418           | VCEAGA1CW476M | ELEC C 47UF 20% 16V               | S | AA      | **      |
| Q 0857                     | RH-TX0142BMZZ | TRT TBC 547-B TOSHIBA     | S | AA      | AB      | C 5419           | VCEAGA1HW106M | ELEC C 10UF 20% 50V               | S | AA      | **      |
| Q 0858                     | RH-TX0143BMZZ | TRT TBC 557-B TOSHIBA     | S | AA      | AA      | C 5420           | RC-FZ9474BMNJ | POL FILM C 470NF 5% 63V           | S | AB      | AD      |
| Q 0859                     | RH-TX0142BMZZ | TRT TBC 547-B TOSHIBA     | S | AA      | AB      | C 5421           | RC-FZ9474BMNJ | POL FILM C 470NF 5% 63V           | S | AB      | AD      |
| Q 0860                     | RH-TX0142BMZZ | TRT TBC 547-B TOSHIBA     | S | AA      | AB      | C 5422           | RC-FZ9473BMNJ | POL FILM C 47NF 5% 63V            | S | AA      | AC      |
| Q 0861                     | RH-TX0143BMZZ | TRT TBC 557-B TOSHIBA     | S | AA      | AA      | C 5424           | RC-FZ6683BMNJ | PP FILM C 68NF 5% 250V            | S | AA      | AB      |
| Q 5405                     | RH-TX0111BMZZ | TRT PH-2369 PHILIPS       | S | AA      | AB      | <b>RESISTORS</b> |               |                                   |   |         |         |
| Q 5406                     | RH-TX0135BMZZ | TRT BF324 PH              | S | AB      | AC      | R 0853           | VRD-RA2BE223J | RES 22KOHM 5% 1/8W                | S | AA      | **      |
| Q 5407                     | VS2SA1837/-1  | TRT A1837 TOSHIBA         | S | AB      | AE      | R 0854           | VRD-RA2BE471J | RES 470 OHM 5% 1/8W               | S | AA      | **      |
| Q 5408                     | VS2SC4793/-1  | TRT C4793 TOSHIBA         | S | AB      | AE      | R 0855           | VRD-RA2BE750J | RES 75 OHM 5% 1/8W                | S | AA      | **      |
| Q 5410                     | RH-TX0142BMZZ | TRT TBC 547-B TOSHIBA     | S | AA      | AB      | R 0856           | VRD-RA2EE680J | RES 68 OHM 5% 1/4W                | S | AA      | **      |
| Q 5411                     | RH-TX0142BMZZ | TRT TBC 547-B TOSHIBA     | S | AA      | AB      | R 0857           | VRD-RA2BE101J | RES 100 OHM 5% 1/8W               | S | AA      | AA      |
| Q 5412                     | RH-TX0143BMZZ | TRT TBC 557-B TOSHIBA     | S | AA      | AA      | R 0858           | VRD-RA2BE102J | RES 1KOHM 5% 1/8W                 | S | AA      | **      |
| Q 5414                     | RH-TX0108BMZZ | TRT BC635                 | S | AA      | AC      | R 0859           | VRD-RA2BE101J | RES 100 OHM 5% 1/8W               | S | AA      | AA      |
| <b>DIODES</b>              |               |                           |   |         |         | R 0860           | VRD-RA2BE221J | RES 220 OHM 5% 1/8W               | S | AA      | AA      |
| D 0851                     | RH-DX0045BMZZ | DIODE 1N4148              | S | AA      | AA      | R 0861           | VRD-RA2BE152J | RES 1,5KOHM 5% 1/8W               | S | AA      | AA      |
| D 0852                     | RH-DX0045BMZZ | DIODE 1N4148              | S | AA      | AA      | R 0862           | VRD-RA2BE102J | RES 1KOHM 5% 1/8W                 | S | AA      | **      |
| D 0861                     | RH-DX0501BMZZ | DIODE 1N4004              | S | AA      | AA      | R 0863           | VRD-RA2BE152J | RES 1,5KOHM 5% 1/8W               | S | AA      | AA      |
| D 0862                     | RH-DX0501BMZZ | DIODE 1N4004              | S | AA      | AA      | R 0864           | VRD-RA2BE471J | RES 470 OHM 5% 1/8W               | S | AA      | **      |
| D 0863                     | RH-DX0501BMZZ | DIODE 1N4004              | S | AA      | AA      | R 0865           | VRD-RA2BE332J | RES 3,3KOHM 5% 1/8W               | S | AA      | **      |
| D 0864                     | RH-DX0045BMZZ | DIODE 1N4148              | S | AA      | AA      | R 0866           | VRD-RA2BE152J | RES 1,5KOHM 5% 1/8W               | S | AA      | AA      |
| D 0865                     | RH-EX0408BMZZ | ZENER DIODE BZX79C5V1     | S | AB      | AB      | R 0867           | VRD-RA2BE750J | RES 75 OHM 5% 1/8W                | S | AA      | **      |
| D 0866                     | RH-EX0408BMZZ | ZENER DIODE BZX79C5V1     | S | AB      | AB      | R 0868           | VRD-RA2BE152J | RES 1,5KOHM 5% 1/8W               | S | AA      | AA      |
| D 0867                     | RH-EX0408BMZZ | ZENER DIODE BZX79C5V1     | S | AB      | AB      | R 0869           | VRD-RA2BE101J | RES 100 OHM 5% 1/8W               | S | AA      | AA      |
| D 0868                     | RH-EX0409BMZZ | ZENER DIODE BZX79C5V6     | S | AA      | AA      | R 0870           | VRD-RA2BE102J | RES 1KOHM 5% 1/8W                 | S | AA      | **      |
| D 0869                     | RH-DX0045BMZZ | DIODE 1N4148              | S | AA      | AA      | R 0872           | VRD-RA2BE562J | RES 5,6KOHM 5% 1/8W               | S | AA      | **      |
| D 5408                     | RH-DX0045BMZZ | DIODE 1N4148              | S | AA      | AA      | R 0873           | VRD-RA2BE221J | RES 220 OHM 5% 1/8W               | S | AA      | AA      |
| D 5409                     | RH-DX0045BMZZ | DIODE 1N4148              | S | AA      | AA      | R 0874           | VRD-RA2BE471J | RES 470 OHM 5% 1/8W               | S | AA      | **      |
| D 5411                     | RH-EX0418BMZZ | ZENER DIODE BZX79C13V     | S | AB      | AB      | R 0875           | VRD-RA2BE562J | RES 5,6KOHM 5% 1/8W               | S | AA      | **      |
| <b>COILS</b>               |               |                           |   |         |         | R 0876           | VRD-RA2BE562J | RES 5,6KOHM 5% 1/8W               | S | AA      | **      |
| L 0864                     | RCILP0275BMZZ | COIL AR621LY-220K=R TOKO  | S | AA      | AD      | R 0880           | VRS-VV3DB683J | MET OX RES 68KOHM 5% 2W           | S | AA      | AA      |
| <b>CAPACITORS</b>          |               |                           |   |         |         | R 0881           | VRD-RA2BE750J | RES 75 OHM 5% 1/8W                | S | AA      | **      |
| C 0850                     | VCEAGA1CW337M | ELEC C 330UF 20% 16V      | S | AA      | AC      | R 0882           | VRD-RA2BE101J | RES 100 OHM 5% 1/8W               | S | AA      | AA      |
| C 0851                     | VCEAGA1CW476M | ELEC C 47UF 20% 16V       | S | AA      | **      | R 0883           | VRS-VV3DB683J | MET OX RES 68KOHM 5% 2W           | S | AA      | AA      |
| C 0852                     | RC-FZ9103BMNJ | POL FILM C 10NF 5% 63V    | S | AA      | AB      | R 0884           | VRS-VV3DB683J | MET OX RES 68KOHM 5% 2W           | S | AA      | AA      |
| C 0853                     | VCEAGA1CW108M | ELEC C 1000UF 20% 16V     | S | AA      | **      | R 0885           | VRD-RA2BE102J | RES 1KOHM 5% 1/8W                 | S | AA      | **      |
|                            |               |                           |   |         |         | R 0886           | VRD-RA2BE221J | RES 220 OHM 5% 1/8W               | S | AA      | AA      |
|                            |               |                           |   |         |         | R 0887           | VRD-RA2HD331J | RES 330 OHM 5% 1/2W               | S | AA      | **      |
|                            |               |                           |   |         |         | R 0888           | VRC-MA2HG681J | SOLID R 680 OHM 5% 1/2W           | S | AA      | AB      |





| REF No.                  | PARTS         | DESCRIPTION                 | * SN CODE | EX CODE |
|--------------------------|---------------|-----------------------------|-----------|---------|
| D 6003                   | RH-DX0551BMZZ | DIODE LL4148 TFK SMD        | S AA      | AA      |
| D 6004                   | RH-EX0544BMZZ | ZENER DIODE TZMC4V7 TFK SMD | S AA      | AA      |
| D 6005                   | RH-DX0551BMZZ | DIODE LL4148 TFK SMD        | S AA      | AA      |
| D 6006                   | RH-EX0561BMZZ | ZENER DIODE TZMC24 TFK SMD  | S AA      | AA      |
| D 6007                   | RH-DX0551BMZZ | DIODE LL4148 TFK SMD        | S AA      | AA      |
| D 6008                   | RH-DX0551BMZZ | DIODE LL4148 TFK SMD        | S AA      | AA      |
| D 6010                   | RH-DX0551BMZZ | DIODE LL4148 TFK SMD        | S AA      | AA      |
| D 6013                   | RH-EX0540BMZZ | ZENER DIODE TZMC3V3 TFK SMD | S AA      | AA      |
| D 6014                   | RH-EX0546BMZZ | ZENER DIODE TZMC5V6 TFK SMD | S AA      | AA      |
| D 6015                   | RH-DX0551BMZZ | DIODE LL4148 TFK SMD        | S AA      | AA      |
| <b>PACKAGED CIRCUITS</b> |               |                             |           |         |
| X 1003                   | RCRSB0236BMZZ | CRYSTAL 5MHZ ACAL           | S AB      | AG      |
| X 6001                   | RCRSB0219BMZZ | CRYSTAL 20.25 HMZ           | S AG      | AH      |
| X 6002                   | RCRSB0242BMZZ | CRYSTAL 27MHZ               | S AC      | AH      |
| <b>COILS</b>             |               |                             |           |         |
| L 6001                   | VP-NM3R3MR19N | COIL 3.3UH SMD              | S AA      | **      |
| L 6002                   | VP-NM3R3MR19N | COIL 3.3UH SMD              | S AA      | **      |
| L 6003                   | VP-NM3R3MR19N | COIL 3.3UH SMD              | S AA      | **      |
| L 6004                   | VP-NM100K42N  | COIL 10UH SMD               | S AA      | **      |
| L 6005                   | VP-NM1R0MR10N | COIL 1UH SMD                | S AB      | AB      |
| L 6006                   | VRS-TQ2BD000J | 3216 0 OHM 5% 1/8W SMD      | S AA      | **      |
| L 6007                   | VP-NM3R3MR19N | COIL 3.3UH SMD              | S AA      | **      |
| L 6008                   | VP-NM3R3MR19N | COIL 3.3UH SMD              | S AA      | **      |
| L 6009                   | VP-NM3R3MR19N | COIL 3.3UH SMD              | S AA      | **      |
| L 6010                   | VP-NM3R3MR19N | COIL 3.3UH SMD              | S AA      | **      |
| L 6012                   | VP-NM3R3MR19N | COIL 3.3UH SMD              | S AA      | **      |
| L 6013                   | VP-NM3R3MR19N | COIL 3.3UH SMD              | S AA      | **      |
| L 6014                   | VP-NM3R3MR19N | COIL 3.3UH SMD              | S AA      | **      |
| L 6015                   | VP-NM3R3MR19N | COIL 3.3UH SMD              | S AA      | **      |
| L 6017                   | VP-NM3R3MR19N | COIL 3.3UH SMD              | S AA      | **      |
| <b>CAPACITORS</b>        |               |                             |           |         |
| C 6001                   | VCKYTV1HF683Z | CERAM C 68NF 50V 2125SMD    | S AA      | **      |
| C 6002                   | VCKYTV1HB152K | CERAM C 1.5NF 50V 2125SMD   | S AA      | **      |
| C 6004                   | VCKYTV1HF683Z | CERAM C 68NF 50V 2125SMD    | S AA      | **      |
| C 6005                   | VCKYTV1EF224Z | CERAM C 220NF 25V 2125SMD   | S AA      | AA      |
| C 6006                   | VCKYTV1HF473Z | CERAM C 47NF 50V 2125SMD    | S AA      | **      |
| C 6007                   | VCKYTV1HB152K | CERAM C 1.5NF 50V 2125SMD   | S AA      | **      |
| C 6008                   | VCKYTV1HF104Z | CERAM C 100NF 50V 2125SMD   | S AA      | AA      |
| C 6009                   | VCEAGA1CW106M | ELEC C 10UF 20% 16V         | S AA      | **      |
| C 6010                   | VCKYTV1HF683Z | CERAM C 68NF 50V 2125SMD    | S AA      | **      |
| C 6011                   | VCKYTV1HF104Z | CERAM C 100NF 50V 2125SMD   | S AA      | AA      |
| C 6012                   | VCKYTV1HF104Z | CERAM C 100NF 50V 2125SMD   | S AA      | AA      |
| C 6013                   | VCKYTV1HF104Z | CERAM C 100NF 50V 2125SMD   | S AA      | AA      |
| C 6014                   | VCEAGA1HW335M | ELEC C 3.3UF 20% 50V        | S AA      | AA      |
| C 6015                   | VCKYTV1HF104Z | CERAM C 100NF 50V 2125SMD   | S AA      | AA      |
| C 6016                   | VCEAGA1CW226M | ELEC C 22UF 20% 16V         | S AA      | **      |
| C 6017                   | VCKYTV1HF223Z | CERAM C 22NF 50V 2125SMD    | S AA      | **      |
| C 6018                   | VCKYTV1HF153Z | CERAM C 15NF 50V 2125SMD    | S AA      | AA      |
| C 6019                   | VCKYTV1HF153Z | CERAM C 15NF 50V 2125SMD    | S AA      | AA      |
| C 6020                   | VCKYTV1HF153Z | CERAM C 15NF 50V 2125SMD    | S AA      | AA      |
| C 6021                   | VCEAGA1CW226M | ELEC C 22UF 20% 16V         | S AA      | **      |
| C 6022                   | VCKYTV1HF223Z | CERAM C 22NF 50V 2125SMD    | S AA      | **      |
| C 6023                   | VCEAGA1CW226M | ELEC C 22UF 20% 16V         | S AA      | **      |
| C 6024                   | VCKYTV1HF104Z | CERAM C 100NF 50V 2125SMD   | S AA      | AA      |
| C 6025                   | VCCCTV1HH391J | CERAM C 390PF 50V 2125SMD   | S AA      | **      |
| C 6026                   | VCKYTV1HB152K | CERAM C 1.5NF 50V 2125SMD   | S AA      | **      |
| C 6027                   | VCEAGA1CW476M | ELEC C 47UF 20% 16V         | S AA      | **      |
| C 6028                   | VCKYTV1HF473Z | CERAM C 47NF 50V 2125SMD    | S AA      | **      |
| C 6029                   | VCKYTV1HF103Z | CERAM C 10NF 50V 2125SMD    | S AA      | AA      |
| C 6030                   | VCEAGA0JW477M | ELEC C 470UF 20% 6.3V       | S AA      | **      |
| C 6031                   | VCCCTV1HH3R3C | CERAM C 3.3PF 50V 2125SMD   | S AA      | AA      |
| C 6032                   | VCCCTV1HH3R3C | CERAM C 3.3PF 50V 2125SMD   | S AA      | AA      |
| C 6033                   | VCKYTV1HF103Z | CERAM C 10NF 50V 2125SMD    | S AA      | AA      |
| C 6034                   | VCEAGA0JW477M | ELEC C 470UF 20% 6.3V       | S AA      | **      |
| C 6035                   | VCEAGA1CW476M | ELEC C 47UF 20% 16V         | S AA      | **      |
| C 6036                   | VCKYTV1HF473Z | CERAM C 47NF 50V 2125SMD    | S AA      | **      |
| C 6037                   | VCKYTV1HF473Z | CERAM C 47NF 50V 2125SMD    | S AA      | **      |
| C 6038                   | VCCCTV1HH391J | CERAM C 390PF 50V 2125SMD   | S AA      | **      |
| C 6039                   | VCKYTV1EF334Z | CERAM C 330NF 25V 2125SMD   | S AA      | AB      |
| C 6040                   | VCKYTV1EF334Z | CERAM C 330NF 25V 2125SMD   | S AA      | AB      |
| C 6041                   | VCKYTV1HF104Z | CERAM C 100NF 50V 2125SMD   | S AA      | AA      |

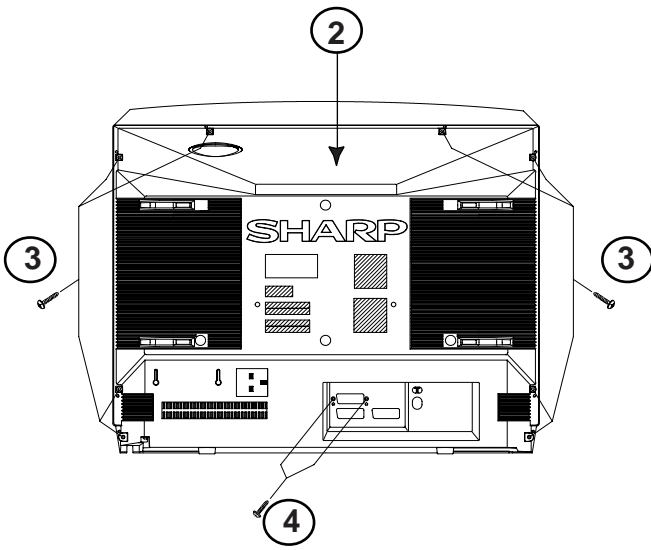
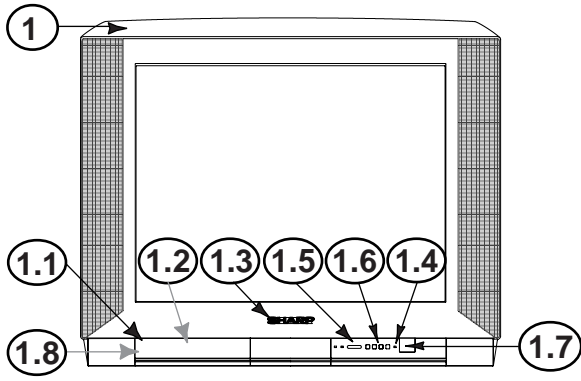
| REF No.          | PARTS         | DESCRIPTION                             | * SN CODE | EX CODE |
|------------------|---------------|---|-----------|---------|
| C 6042           | VCKYTV1HF104Z | CERAM C 100NF 50V 2125SMD               | S AA      | AA      |
| C 6043           | VCCCTV1HH151J | CERAM C 150PF 50V 2125SMD               | S AA      | AA      |
| C 6044           | VCCCTV1HH270J | CERAM C 27PF 50V 2125SMD                | S AA      | AA      |
| C 6045           | VCCCTV1HH270J | CERAM C 27PF 50V 2125SMD                | S AA      | AA      |
| C 6046           | VCKYTV1EF334Z | CERAM C 330NF 25V 2125SMD               | S AA      | AB      |
| C 6047           | VCKYTV1EF334Z | CERAM C 330NF 25V 2125SMD               | S AA      | AB      |
| C 6048           | VCKYTV1HF104Z | CERAM C 100NF 50V 2125SMD               | S AA      | AA      |
| C 6049           | VCKYTV1HF104Z | CERAM C 100NF 50V 2125SMD               | S AA      | AA      |
| C 6050           | VCCCTV1HH151J | CERAM C 150PF 50V 2125SMD               | S AA      | AA      |
| C 6051           | VCKYTV1HB152K | CERAM C 1.5NF 50V 2125SMD               | S AA      | **      |
| C 6052           | VCCCTV1EF224Z | CERAM C 220NF 25V 2125SMD               | S AA      | AA      |
| C 6053           | VCKYTV1EF334Z | CERAM C 330NF 25V 2125SMD               | S AA      | AB      |
| C 6054           | VCKYTV1EF334Z | CERAM C 330NF 25V 2125SMD               | S AA      | AB      |
| C 6055           | VCCCTV1HH331J | CERAM C 330PF 50V 2125SMD               | S AA      | AA      |
| C 6056           | VCCCTV1HH331J | CERAM C 330PF 50V 2125SMD               | S AA      | AA      |
| C 6057           | VCCCTV1HH151J | CERAM C 150PF 50V 2125SMD               | S AA      | AA      |
| C 6058           | VCCCTV1HH331J | CERAM C 330PF 50V 2125SMD               | S AA      | AA      |
| C 6059           | VCCCTV1HH331J | CERAM C 330PF 50V 2125SMD               | S AA      | AA      |
| C 6060           | VCKYTV1HB102K | CERAM C 1NF 50V 2125SMD                 | S AA      | AA      |
| C 6061           | VCKYTV1EF334Z | CERAM C 330NF 25V 2125SMD               | S AA      | AB      |
| C 6062           | VCKYTV1EF334Z | CERAM C 330NF 25V 2125SMD               | S AA      | AB      |
| C 6063           | VCCCTV1HH560J | CERAM C 56PF 50V 2125SMD                | S AA      | **      |
| C 6064           | VCKYTV1HB102K | CERAM C 1NF 50V 2125SMD                 | S AA      | AA      |
| C 6065           | VCEAGA1CW106M | ELEC C 10UF 20% 16V                     | S AA      | **      |
| C 6066           | VCKYTV1HF104Z | CERAM C 100NF 50V 2125SMD               | S AA      | AA      |
| C 6067           | VCKYTV1HF104Z | CERAM C 100NF 50V 2125SMD               | S AA      | AA      |
| C 6068           | VCKYTV1HB102K | CERAM C 1NF 50V 2125SMD                 | S AA      | AA      |
| C 6069           | VCEAGA1CW107M | ELEC C 100UF 20% 16V                    | S AA      | **      |
| C 6070           | VCCCTV1HH151J | CERAM C 150PF 50V 2125SMD               | S AA      | AA      |
| C 6071           | VCCCTV1HH330J | CERAM C 33PF 50V 2125SMD                | S AA      | **      |
| C 6072           | VCCCTV1HH330J | CERAM C 33PF 50V 2125SMD                | S AA      | **      |
| C 6073           | VCCCTV1HH330J | CERAM C 33PF 50V 2125SMD                | S AA      | **      |
| C 6074           | VCKYTV1HF104Z | CERAM C 100NF 50V 2125SMD               | S AA      | AA      |
| C 6078           | VCKYTV1CF105Z | CERAM C 1UF 16V 2125SMD                 | S AA      | **      |
| C 6079           | RC-FZ9223BMNJ | POL FILM C 22NF 5% 63V                  | S AA      | AB      |
| C 6081           | VCCCTV1HH221J | CERAM C 220PF 50V 2125SMD               | S AA      | **      |
| C 6083           | RC-FZ4154BMNJ | POL FILM C 150NF 50V 5% ECQ-V PANASONIC | S AA      | **      |
| C 6084           | VCKYTV1HB222K | CERAM C 2.2NF 50V 2125SMD               | S AA      | AA      |
| C 6085           | VCCCTV1HH330J | CERAM C 33PF 50V 2125SMD                | S AA      | **      |
| C 6109           | VCKYTV1CF105Z | CERAM C 1UF 16V 2125SMD                 | S AA      | **      |
| C 6110           | VCKYTV1HB393K | CERAM C 39NF 50V 2125SMD                | S AA      | AA      |
| C 6205           | VCCCTV1HH101J | CERAM C 100PF 50V 2125SMD               | S AA      | **      |
| C 6225           | VCCCTV1HH101J | CERAM C 100PF 50V 2125SMD               | S AA      | **      |
| C 6226           | VCCCTV1HH101J | CERAM C 100PF 50V 2125SMD               | S AA      | **      |
| <b>RESISTORS</b> |               |   |           |         |
| R 6001           | VRS-TV1JD750J | 2125 75 OHM 5% 1/10W SMD                | S AA      | **      |
| R 6002           | VRS-TV1JD750J | 2125 75 OHM 5% 1/10W SMD                | S AA      | **      |
| R 6003           | VRS-TV1JD750J | 2125 75 OHM 5% 1/10W SMD                | S AA      | **      |
| R 6004           | VRS-TV1JD221J | 2125 220 OHM 5% 1/10W SMD               | S AA      | AA      |
| R 6005           | VRS-TV1JD821J | 2125 820 OHM 5% 1/10W SMD               | S AA      | **      |
| R 6006           | VRS-TV1JD821J | 2125 820 OHM 5% 1/10W SMD               | S AA      | **      |
| R 6007           | VRS-TV1JD821J | 2125 820 OHM 5% 1/10W SMD               | S AA      | **      |
| R 6008           | VRS-TV1JD101J | 2125 100 OHM 5% 1/10W SMD               | S AA      | AA      |
| R 6009           | VRS-TV1JD101J | 2125 100 OHM 5% 1/10W SMD               | S AA      | AA      |
| R 6010           | VRS-TV1JD101J | 2125 100 OHM 5% 1/10W SMD               | S AA      | AA      |
| R 6011           | VRS-TV1JD101J | 2125 100 OHM 5% 1/10W SMD               | S AA      | AA      |
| R 6012           | VRS-TV1JD101J | 2125 100 OHM 5% 1/10W SMD               | S AA      | AA      |
| R 6013           | VRS-TV1JD101J | 2125 100 OHM 5% 1/10W SMD               | S AA      | AA      |
| R 6014           | VRS-TV1JD101J | 2125 100 OHM 5% 1/10W SMD               | S AA      | AA      |
| R 6015           | VRS-TV1JD101J | 2125 100 OHM 5% 1/10W SMD               | S AA      | AA      |
| R 6016           | VRS-TV1JD101J | 2125 100 OHM 5% 1/10W SMD               | S AA      | AA      |
| R 6017           | VRS-TV1JD101J | 2125 100 OHM 5% 1/10W SMD               | S AA      | AA      |
| R 6018           | VRS-TV1JD101J | 2125 100 OHM 5% 1/10W SMD               | S AA      | AA      |
| R 6019           | VRS-TV1JD101J | 2125 100 OHM 5% 1/10W SMD               | S AA      | AA      |
| R 6020           | VRS-TV1JD101J | 2125 100 OHM 5% 1/10W SMD               | S AA      | AA      |
| R 6021           | VRS-TV1JD101J | 2125 100 OHM 5% 1/10W SMD               | S AA      | AA      |
| R 6022           | VRS-TV1JD101J | 2125 100 OHM 5% 1/10W SMD               | S AA      | AA      |
| R 6023           | VRS-TV1JD101J | 2125 100 OHM 5% 1/10W SMD               | S AA      | AA      |
| R 6024           | VRS-TV1JD101J | 2125 100 OHM 5% 1/10W SMD               | S AA      | AA      |
| R 6025           | VRS-TV1JD101J | 2125 100 OHM 5% 1/10W SMD               | S AA      | AA      |
| R 6026           | VRS-TV1JD101J | 2125 100 OHM 5% 1/10W SMD               | S AA      | AA      |
| R 6027           | VRS-TV1JD101J | 2125 100 OHM 5% 1/10W SMD               | S AA      | AA      |
| R 6028           | VRS-TV1JD101J | 2125 100 OHM 5% 1/10W SMD               | S AA      | AA      |
| R 6029           | VRS-TV1JD101J | 2125 100 OHM 5% 1/10W SMD               | S AA      | AA      |

| REF No.                    | PARTS         | DESCRIPTION               | * SN CODE | EX CODE | REF No.                      | PARTS         | DESCRIPTION                             | * SN CODE | EX CODE |
|----------------------------|---------------|---------------------------|-----------|---------|------------------------------|---------------|---|-----------|---------|
| R 6030                     | VRS-TV1JD101J | 2125 100 OHM 5% 1/10W SMD | S AA      | AA      | <b>PWB-E AUDIO AMPLIFIER</b> |               |   |           |         |
| R 6031                     | VRS-TV1JD101J | 2125 100 OHM 5% 1/10W SMD | S AA      | AA      |                              |               |   |           |         |
| R 6032                     | VRS-TV1JD103J | 2125 10KOHM 5% 1/10W SMD  | S AA      | AA      | <b>INTEGRATED CIRCUITS</b>   |               |   |           |         |
| R 6035                     | VRS-TV1JD102J | 2125 1KOHM 5% 1/10W SMD   | S AA      | AA      |                              |               |   |           |         |
| R 6036                     | VRS-TV1JD473J | 2125 47KOHM 5% 1/10W SMD  | S AA      | AA      | IC 1301                      | VHIBA4558F/-1 | IC BA4558F-E2 ROHM OP-AMP               | S AA      | AC      |
| R 6037                     | VRS-TV1JD562J | 2125 5.6KOHM 5% 1/10W SMD | S AA      | AA      | IC 1302                      | VHITDA7480/-1 | IC TDA7480 THOMSON                      | S AF      | AK      |
| R 6038                     | VRS-TV1JD473J | 2125 47KOHM 5% 1/10W SMD  | S AA      | AA      | IC 1303                      | VHITDA7481/-1 | IC TDA7481 THOMSON                      | S AE      | AN      |
| R 6039                     | VRS-TV1JD472J | 2125 4.7KOHM 5% 1/10W SMD | S AA      | AA      | <b>TRANSISTORS</b>           |               |   |           |         |
| R 6040                     | VRS-TV1JD122J | 2125 1.2KOHM 5% 1/10W SMD | S AA      | AA      |                              |               |   |           |         |
| R 6041                     | VRS-TV1JD181J | 2125 180 OHM 5% 1/10W SMD | S AA      | AA      | Q 1707                       | VS2SC2412KQ-1 | TRT 2SC2412 ROHM                        | S AA      | AA      |
| R 6042                     | VRS-TV1JD222J | 2125 2.2KOHM 5% 1/10W SMD | S AA      | **      | <b>COILS</b>                 |               |   |           |         |
| R 6043                     | VRS-TV1JD223J | 2125 22KOHM 5% 1/10W SMD  | S AA      | AA      |                              |               |   |           |         |
| R 6048                     | VRS-TV1JD103J | 2125 10KOHM 5% 1/10W SMD  | S AA      | AA      | L 1301                       | VP-CF3R3K0000 | PEAK COIL 3.3UH 10%                     | S AB      | AB      |
| R 6049                     | VRS-TV1JD102J | 2125 1KOHM 5% 1/10W SMD   | S AA      | AA      | L 1302                       | VP-CF3R3K0000 | PEAK COIL 3.3UH 10%                     | S AB      | AB      |
| R 6050                     | RR-XZ0204BMZZ | FUS RES 2R2 TAP 5% 1/2W   | S AA      | AB      | L 1305                       | RCILP0285BMZZ | COIL PCV1620-500K DIONIX                | S AB      | AF      |
| R 6051                     | VRS-TV1JD271J | 2125 270 OHM 5% 1/10W SMD | S AA      | AA      | L 1306                       | RCILP0278BMZZ | COIL A823LY-680K TOKO                   | S AA      | AD      |
| R 6052                     | VRS-TV1JD821F | 2125 820 OHM 1% 1/10W SMD | S AA      | **      | L 1307                       | VP-CF3R3K0000 | PEAK COIL 3.3UH 10%                     | S AB      | AB      |
| R 6054                     | VRS-TV1JD272F | 2125 2.7KOHM 1% 1/10W SMD | S AA      | **      | L 1308                       | VP-CF3R3K0000 | PEAK COIL 3.3UH 10%                     | S AB      | AB      |
| R 6068                     | VRS-TV1JD681J | 2125 680 OHM 5% 1/10W SMD | S AA      | AA      | <b>CAPACITORS</b>            |               |   |           |         |
| R 6069                     | VRS-TV1JD153J | 2125 15KOHM 5% 1/10W SMD  | S AA      | AA      |                              |               |   |           |         |
| R 6071                     | VRS-TV1JD750J | 2125 75 OHM 5% 1/10W SMD  | S AA      | **      | C 1301                       | VCEAGA1EW108M | ELEC C 1000UF 20% 25V                   | S AD      | AD      |
| R 6072                     | VRS-TV1JD750J | 2125 75 OHM 5% 1/10W SMD  | S AA      | **      | C 1303                       | VCEAGA1EW108M | ELEC C 1000UF 20% 25V                   | S AD      | AD      |
| R 6073                     | VRS-TV1JD750J | 2125 75 OHM 5% 1/10W SMD  | S AA      | **      | C 1333                       | RC-FZ4104BMNJ | POL FILM C 100nF 50V 5% ECQ-V PANASONIC | S AA      | AB      |
| R 6074                     | VRS-TV1JD750J | 2125 75 OHM 5% 1/10W SMD  | S AA      | **      | C 1334                       | VCKYTV1HF104Z | CERAM C 100NF 50V 2125SMD               | S AA      | AA      |
| R 6075                     | VRS-TV1JD750J | 2125 75 OHM 5% 1/10W SMD  | S AA      | **      | C 1335                       | VCEAGA1EW476M | ELEC C 47UF 20% 25V                     | S AA      | AA      |
| R 6080                     | VRS-TV1JD101J | 2125 100 OHM 5% 1/10W SMD | S AA      | AA      | C 1336                       | VCKYTV1HB102K | CERAM C 1NF 50V 2125SMD                 | S AA      | AA      |
| R 6081                     | VRS-TV1JD101J | 2125 100 OHM 5% 1/10W SMD | S AA      | AA      | C 1337                       | VCKYTV1HB472K | CERAM C 4.7NF 50V 2125SMD               | S AA      | AA      |
| R 6082                     | VRS-TV1JD101J | 2125 100 OHM 5% 1/10W SMD | S AA      | AA      | C 1338                       | VCCCTV1HH101J | CERAM C 100PF 50V 2125SMD               | S AA      | **      |
| R 6083                     | VRS-TV1JD101J | 2125 100 OHM 5% 1/10W SMD | S AA      | AA      | C 1339                       | VCKYTV1HF104Z | CERAM C 100NF 50V 2125SMD               | S AA      | AA      |
| R 6084                     | VRS-TV1JD101J | 2125 100 OHM 5% 1/10W SMD | S AA      | AA      | C 1340                       | RC-FZ4334BMNJ | POL FILM C 330nF 50V 5% ECQ-V PANASONIC | S AA      | **      |
| R 6086                     | VRS-TV1JD105J | 2125 1MOHM 5% 1/10W SMD   | S AA      | AA      | C 1341                       | VCEAGA1HW225M | ELEC C 2.2UF 20% 50V                    | S AA      | AB      |
| R 6087                     | VRS-TV1JD101J | 2125 100 OHM 5% 1/10W SMD | S AA      | AA      | C 1342                       | RC-FZ4104BMNJ | POL FILM C 100nF 50V 5% ECQ-V PANASONIC | S AA      | AB      |
| R 6088                     | VRS-TV1JD103J | 2125 10KOHM 5% 1/10W SMD  | S AA      | AA      | C 1343                       | VCCCTV1HH561J | CERAM C 560PF 50V 2125SMD               | S AA      | AA      |
| R 6089                     | VRS-TV1JD122J | 2125 1.2KOHM 5% 1/10W SMD | S AA      | AA      | C 1344                       | VCEAGA1EW477M | ELEC C 470UF 20% 25V                    | S AA      | **      |
| R 6090                     | VRS-TV1JD153J | 2125 15KOHM 5% 1/10W SMD  | S AA      | AA      | C 1345                       | VCKYTV1HF104Z | CERAM C 100NF 50V 2125SMD               | S AA      | AA      |
| R 6092                     | VRS-TV1JD101J | 2125 100 OHM 5% 1/10W SMD | S AA      | AA      | C 1346                       | RC-FZ4474BMNJ | POL FILM C 470nF 50V 5% ECQ-V PANASONIC | S AA      | **      |
| R 6095                     | VRS-TV1JD101J | 2125 100 OHM 5% 1/10W SMD | S AA      | AA      | C 1347                       | VCKYTV1HF104Z | CERAM C 100NF 50V 2125SMD               | S AA      | AA      |
| R 6096                     | VRS-TV1JD221J | 2125 220 OHM 5% 1/10W SMD | S AA      | AA      | C 1348                       | VCCCTV1HH101J | CERAM C 100PF 50V 2125SMD               | S AA      | **      |
| R 6097                     | VRS-TV1JD101J | 2125 100 OHM 5% 1/10W SMD | S AA      | AA      | C 1349                       | VCEAGA1EW107M | ELEC C 100UF 20% 25V                    | S AA      | **      |
| R 6098                     | VRS-TV1JD331J | 2125 330 OHM 5% 1/10W SMD | S AA      | **      | C 1350                       | VCKYTV1HF104Z | CERAM C 100NF 50V 2125SMD               | S AA      | AA      |
| R 6099                     | VRS-TV1JD680J | 2125 68 OHM 5% 1/10W SMD  | S AA      | **      | C 1351                       | RC-FZ4104BMNJ | POL FILM C 100nF 50V 5% ECQ-V PANASONIC | S AA      | AB      |
| R 6100                     | VRS-TV1JD104J | 2125 100KOHM 5% 1/10W SMD | S AA      | AA      | C 1352                       | VCKYTV1HB332K | CERAM C 3.3NF 50V 2125SMD               | S AA      | **      |
| R 6101                     | VRS-TV1JD104J | 2125 100KOHM 5% 1/10W SMD | S AA      | AA      | C 1353                       | VCKYTV1HB102K | CERAM C 1NF 50V 2125SMD                 | S AA      | AA      |
| R 6102                     | VRS-TV1JD334J | 2125 330KOHM 5% 1/10W SMD | S AA      | **      | C 1354                       | VCEAGA1HW225M | ELEC C 2.2UF 20% 50V                    | S AA      | AB      |
| R 6103                     | VRS-TV1JD103J | 2125 10KOHM 5% 1/10W SMD  | S AA      | AA      | C 1355                       | RC-FZ4104BMNJ | POL FILM C 100nF 50V 5% ECQ-V PANASONIC | S AA      | AB      |
| R 6104                     | VRS-TV1JD475J | 2125 4.7MOHM 5% 1/10W SMD | S AA      | **      | C 1356                       | VCKYTV1HB472K | CERAM C 4.7NF 50V 2125SMD               | S AA      | AA      |
| R 6105                     | VRS-TV1JD223J | 2125 22KOHM 5% 1/10W SMD  | S AA      | AA      | C 1357                       | VCCCTV1HH561J | CERAM C 560PF 50V 2125SMD               | S AA      | AA      |
| R 6106                     | VRS-TV1JD683J | 2125 68KOHM 5% 1/10W SMD  | S AA      | AA      | C 1358                       | RC-FZ4474BMNJ | POL FILM C 470nF 50V 5% ECQ-V PANASONIC | S AA      | **      |
| R 6107                     | VRS-TV1JD564J | 2125 560KOHM 5% 1/10W SMD | S AA      | **      | C 1360                       | VCEAGA1EW107M | ELEC C 100UF 20% 25V                    | S AA      | **      |
| R 6117                     | VRS-TV1JD104J | 2125 100KOHM 5% 1/10W SMD | S AA      | AA      | C 1361                       | VCKYTV1HF104Z | CERAM C 100NF 50V 2125SMD               | S AA      | AA      |
| R 6118                     | VRS-TV1JD104J | 2125 100KOHM 5% 1/10W SMD | S AA      | AA      | C 1364                       | VCEAGA1HW226M | ELEC C 22UF 20% 50V                     | S AA      | **      |
| R 6124                     | VRS-TV1JD102J | 2125 1KOHM 5% 1/10W SMD   | S AA      | AA      | C 1365                       | VCEAGA1HW226M | ELEC C 22UF 20% 50V                     | S AA      | **      |
| R 6125                     | VRS-TV1JD221J | 2125 220 OHM 5% 1/10W SMD | S AA      | AA      | C 1366                       | VCEAGA1CW226M | ELEC C 22UF 20% 16V                     | S AA      | **      |
| R 6126                     | VRS-TV1JD102J | 2125 1KOHM 5% 1/10W SMD   | S AA      | AA      | C 1367                       | RC-FZ4684BMNJ | POL FILM C 680nF 50V 5% ECQ-V PANASONIC | S AA      | **      |
| R 6127                     | VRS-TV1JD223J | 2125 22KOHM 5% 1/10W SMD  | S AA      | AA      | C 1368                       | VCKYTV1HF473Z | CERAM C 4.7NF 50V 2125SMD               | S AA      | **      |
| R 6128                     | VRS-TV1JD000J | 2125 0 OHM 5% 1/10W SMD   | S AA      | AA      | <b>RESISTORS</b>             |               |   |           |         |
| R 6129                     | VRS-TV1JD000J | 2125 0 OHM 5% 1/10W SMD   | S AA      | AA      |                              |               |   |           |         |
| R 6130                     | VRS-TV1JD271J | 2125 270 OHM 5% 1/10W SMD | S AA      | AA      | R 1301                       | VRS-TV1JD222J | 2125 2.2KOHM 5% 1/10W SMD               | S AA      | **      |
| R 6307                     | VRS-TV1JD103J | 2125 10KOHM 5% 1/10W SMD  | S AA      | AA      | R 1316                       | VRS-TV1JD153J | 2125 15KOHM 5% 1/10W SMD                | S AA      | AA      |
| <b>MISCELLANEOUS PARTS</b> |               |                           |           |         | R 1317                       | VRS-TV1JD103J | 2125 10KOHM 5% 1/10W SMD                | S AA      | AA      |
| (KA)                       | QPLGN0842CEZZ | PLUG                      | S AA      | **      | R 1318                       | VRS-TV1JD151J | 2125 150 OHM 5% 1/10W SMD               | S AA      | AA      |
| (NA)                       | QPWBF7295BMNO | PWBDIGITAL MODULE VPC     | S -       | -       | R 1320                       | VRS-TV1JD103J | 2125 10KOHM 5% 1/10W SMD                | S AA      | AA      |
| (RGB)                      | QPLGN0442CEZZ | PLUG                      | S AA      | **      | R 1321                       | VRS-TV1JD103J | 2125 10KOHM 5% 1/10W SMD                | S AA      | AA      |
| (YA)                       | QPLGN1285CEZZ | PLUG                      | S AB      | AD      | R 1322                       | VRS-TV1JD103J | 2125 10KOHM 5% 1/10W SMD                | S AA      | AA      |
| (YB)                       | QPLGN1285CEZZ | PLUG                      | S AB      | AD      | R 1324                       | VRS-TV1JD123J | 2125 12KOHM 5% 1/10W SMD                | S AA      | AA      |
| (YC)                       | QPLGN1285CEZZ | PLUG                      | S AB      | AD      | R 1325                       | VRS-TV1JD151J | 2125 150 OHM 5% 1/10W SMD               | S AA      | AA      |
| FB 6205                    | VRS-TQ2BD000J | 3216 0 OHM 5% 1/8W SMD    | S AA      | **      | R 1327                       | VRS-TV1JD473J | 2125 47KOHM 5% 1/10W SMD                | S AA      | AA      |
| FB 6206                    | VRS-TQ2BD000J | 3216 0 OHM 5% 1/8W SMD    | S AA      | **      | R 1328                       | VRS-TV1JD473J | 2125 47KOHM 5% 1/10W SMD                | S AA      | AA      |
| FB 6207                    | VRS-TQ2BD000J | 3216 0 OHM 5% 1/8W SMD    | S AA      | **      | R 1329                       | VRS-TV1JD473J | 2125 47KOHM 5% 1/10W SMD                | S AA      | AA      |
| FB 6208                    | VRS-TQ2BD000J | 3216 0 OHM 5% 1/8W SMD    | S AA      | **      | R 1330                       | VRS-TV1JD682J | 2125 6.8KOHM 5% 1/10W SMD               | S AA      | **      |
| FB 6210                    | VRS-TQ2BD000J | 3216 0 OHM 5% 1/8W SMD    | S AA      | **      | R 1331                       | VRS-TV1JD563J | 2125 56KOHM 5% 1/10W SMD                | S AA      | **      |
| FB 6211                    | VRS-TQ2BD000J | 3216 0 OHM 5% 1/8W SMD    | S AA      | **      | R 1332                       | VRD-RA2HD681J | RES 680 OHM 5% 1/2W                     | S AA      | AA      |
| FB 6212                    | VRS-TQ2BD000J | 3216 0 OHM 5% 1/8W SMD    | S AA      | **      | R 1333                       | VRD-RA2HD681J | RES 680 OHM 5% 1/2W                     | S AA      | AA      |
|                            |               |                           |           |         | R 1334                       | VRS-TV1JD333J | 2125 33KOHM 5% 1/10W SMD                | S AA      | AA      |

| REF No.                         | PARTS         | DESCRIPTION                | * SN CODE | EX CODE |
|---------------------------------|---------------|----------------------------|-----------|---------|
| R 1335                          | VRS-TV1JD473J | 2125 47KOHM 5% 1/10W SMD   | S AA      | AA      |
| R 1717                          | VRS-TV1JD473J | 2125 47KOHM 5% 1/10W SMD   | S AA      | AA      |
| <b>MISCELLANEOUS PARTS</b>      |               |                            |           |         |
| (SB)                            | QPLGN0685CEZZ | PLUG                       | S AA      | **      |
| (SPC)                           | QPLGN0241CEZZ | PLUG                       | S AA      | **      |
| (SPW)                           | QPLGN0241CEZZ | PLUG                       | S AA      | **      |
| (VS)                            | QPLGN0341CEZZ | PLUG                       | S AA      | **      |
| J 2                             | VRS-TV1JD000J | 2125 0 OHM 5% 1/10W SMD    | S AA      | AA      |
| J 3                             | VRS-TV1JD000J | 2125 0 OHM 5% 1/10W SMD    | S AA      | AA      |
| J 4                             | VRS-TV1JD000J | 2125 0 OHM 5% 1/10W SMD    | S AA      | AA      |
| J 5                             | VRS-TV1JD000J | 2125 0 OHM 5% 1/10W SMD    | S AA      | AA      |
| J 8                             | VRS-TV1JD000J | 2125 0 OHM 5% 1/10W SMD    | S AA      | AA      |
| <b>PWB-F FRONTAL POWER UNIT</b> |               |                            |           |         |
| <b>DIODES</b>                   |               |                            |           |         |
| D 6751                          | RH-PX0105BMZZ | LED SPB-25MVV ROHM         | S AC      | AC      |
| D 6752                          | RH-PX0105BMZZ | LED SPB-25MVV ROHM         | S AC      | AC      |
| <b>CAPACITORS</b>               |               |                            |           |         |
| C 6715                          | VCKYTV1CF105Z | CERAM C 1UF 16V 2125SMD    | S AA      | **      |
| <b>RESISTORS</b>                |               |                            |           |         |
| R 6701                          | VRD-RA2HD124J | RES 120KOHM 5% 1/2W        | S AA      | **      |
| R 6702                          | VRD-RA2HD124J | RES 120KOHM 5% 1/2W        | S AA      | **      |
| R 6751                          | VRD-RA2BE332J | RES 3.3KOHM 5% 1/8W        | S AA      | **      |
| R 6738                          | VRS-TV1JD101J | 2125 100 OHM 5% 1/10W SMD  | S AA      | AA      |
| R 6739                          | VRS-TV1JD101J | 2125 100 OHM 5% 1/10W SMD  | S AA      | AA      |
| <b>MISCELLANEOUS PARTS</b>      |               |                            |           |         |
| (A)                             | QCNW-2820BMZZ | VOLTAGE SUPPLY 220V        | S AA      | **      |
| (A)0000                         | QPLGN0207CEZZ | PLUG                       | S AA      | **      |
| (M)0000                         | QPLGN0304CEZZ | PLUG                       | S AA      | **      |
| (OP)0000                        | QPLGN0341CEZZ | PLUG                       | S AA      | **      |
| (OPC)                           | QCNW-2839BMZZ | WIRE 3 WAYS PROTECTED      | S AA      | **      |
| (RC)                            | QCNW-2797BMZZ | WIRE 3 WAYS (RD)           | S AA      | **      |
| (RC)0000                        | QPLGN0341CEZZ | PLUG                       | S AA      | **      |
| (ST)                            | QCNW-2839BMZZ | WIRE 3 WAYS PROTECTED      | S AA      | **      |
| (ST)                            | QPLGN0341CEZZ | PLUG                       | S AA      | **      |
| (SW)0001                        | QPLGN0341CEZZ | PLUG                       | S AA      | **      |
| (SW)0002                        | QPLGN0341CEZZ | PLUG                       | S AA      | **      |
| (SW1)                           | QCNW-2797BMZZ | WIRE 3 WAYS (RD)           | S AA      | **      |
| (SW2)                           | QCNW-2797BMZZ | WIRE 3 WAYS (RD)           | S AA      | **      |
| △ F 6701                        | QFS-C3226CEZZ | FUSE T3.15AH 250V          | S AC      | AE      |
| LP 6701                         | RLAMP0001BMZZ | NEON TYPE 4/30HB NEOTRONIC | S AB      | AC      |
| M 6701                          | RRMCU0203BMZZ | R/C RECEIVER TS0P1738 TFK  | S AD      | AG      |
| OPC1                            | RH-IX1601BMZZ | IC OPC                     | S AG      | **      |
| △ S 6701                        | QSW-P0600BMZZ | SWITCH S40 3110432713 GDE  | S AF      | AL      |
| S 6702                          | QSW-K0079GEZZ | TACTILE SWITCH             | S AA      | **      |
| S 6703                          | QSW-K0079GEZZ | TACTILE SWITCH             | S AA      | **      |
| S 6704                          | QSW-K0079GEZZ | TACTILE SWITCH             | S AA      | **      |
| S 6705                          | QSW-K0079GEZZ | TACTILE SWITCH             | S AA      | **      |
|                                 | QFSDH1001BMZZ | FUSE HOLD.EYF52BC=PANASON  | S AA      | AA      |
|                                 | QFSDH1002BMZZ | FUSE HOLD.EYF52BC=PANASON  | S AA      | AA      |
| <b>PWB-F FRONTAL A/V UNIT</b>   |               |                            |           |         |
| <b>COILS</b>                    |               |                            |           |         |
| L 0317                          | VP-DF3R3K0000 | PEAK COIL 3.3UH 10%        | S AB      | AB      |
| L 0318                          | VP-DF3R3K0000 | PEAK COIL 3.3UH 10%        | S AB      | AB      |
| <b>CAPACITORS</b>               |               |                            |           |         |
| C 0336                          | VCKYTV1HF103Z | CERAM C 10NF 50V 2125SMD   | S AA      | AA      |
| C 0337                          | VCKYTV1HF103Z | CERAM C 10NF 50V 2125SMD   | S AA      | AA      |
| C 0428                          | VCKYTV1HB102K | CERAM C 1NF 50V 2125SMD    | S AA      | AA      |
| C 0429                          | VCKYTV1HB102K | CERAM C 1NF 50V 2125SMD    | S AA      | AA      |
| <b>RESISTORS</b>                |               |                            |           |         |
| R 0316                          | VRS-TV1JD391J | 2125 390 OHM 5% 1/10W SMD  | S AA      | AA      |
| R 0317                          | VRS-TV1JD391J | 2125 390 OHM 5% 1/10W SMD  | S AA      | AA      |
| R 0449                          | VRD-RA2EE750J | RES 75 OHM 5% 1/4W         | S AA      | **      |
| <b>MISCELLANEOUS PARTS</b>      |               |                            |           |         |
| (CC)                            | QCNW-2801BMZZ | WIRE 2 WAYS (CC)           | S AB      | **      |

| REF No.                       | PARTS         | DESCRIPTION                          | * SN CODE | EX CODE |
|-------------------------------|---------------|--------------------------------------|-----------|---------|
| (CC)                          | QPLGN0241CEZZ | PLUG                                 | S AA      | **      |
| (CN4)                         | QJAKJ0047CEZZ | EARPHONE JACK HSJ0998-72             | S AA      | AG      |
| (FV)                          | QCNW-2825BMZZ | WIRE (FV) 2 WAYS                     | S AB      | **      |
| (FV)                          | QPLGN0241CEZZ | PLUG                                 | S AA      | **      |
| (HD)                          | QCNW-2849BMZZ | WIRE 3 WAYS HD                       | S AA      | **      |
| (HD)                          | QPLGN0341CEZZ | PLUG                                 | S AA      | **      |
| (SS)                          | QCNW-2792BMZZ | WIRE 3 WAYS (SS)                     | S AA      | **      |
| (SS)                          | QPLGN0341CEZZ | PLUG                                 | S AA      | **      |
| J 0401                        | QJAKZ0015CEZZ | JACK                                 | S AH      | AM      |
| JF 0001                       | VRS-TV1JD000J | 2125 0 OHM 5% 1/10W SMD              | S AA      | AA      |
| JF 0003                       | VRS-TV1JD000J | 2125 0 OHM 5% 1/10W SMD              | S AA      | AA      |
| <b>PWB-E LINE FILTER UNIT</b> |               |                                      |           |         |
| <b>COILS</b>                  |               |                                      |           |         |
| L 4701                        | RCILF0108BMZZ | COIL 472839.00 THOMSON               | S AF      | AL      |
| <b>CAPACITORS</b>             |               |                                      |           |         |
| △ C 4701                      | RC-FZ0160BMZZ | C B81133-D1474-M 470nF 275V SIEMENS  | S AC      | AF      |
| △ C 4746                      | RC-FZ0192BMZZ | C 330NF 275V X2 222233820334 PHILIPS | S AA      | **      |
| <b>MISCELLANEOUS PARTS</b>    |               |                                      |           |         |
| (A)                           | QCNCM0672FCZZ | CONN B2P3-VH JST                     | S AA      | AB      |
| (AA)                          | QCNCM0672FCZZ | CONN B2P3-VH JST                     | S AA      | AB      |
| △ (AA)                        | QCNW-2873BMZZ | WIRE AA POWER SUPPLY 2 VIAS          | S AB      | **      |
| <b>MISCELLANEOUS PARTS</b>    |               |                                      |           |         |
| △                             | QACCZ2100BMSA | AC CORD                              | S AH      | AR      |
| (EW)                          | QCNW-2855BMZZ | WIRE 2 WAYS 43CM DOUBLE INSULATION   | S AA      | **      |
| (F)                           | QCNW-2828BMZZ | WIRE (F) 4 WAYS                      | S AB      | AF      |
| (H)                           | QCNW-2783BMZZ | WIRE (KA) 5 WAYS                     | S AB      | **      |
| (KA)                          | QCNW-2793BMZZ | WIRE (K)                             | S AD      | **      |
| (MO)                          | QCNW-2858BMZZ | WIRE DOUBLE 4 WAYS                   | S AC      | **      |
| (PW)                          | QCNW-2868BMZZ | POWER SUPPLIER WIRE PFC PWA          | S AB      | AF      |
| (VS)                          | QCNW-2795BMZZ | WIRE 3 WAYS                          | S AA      | AD      |
|                               | RRMCG1071BMSA | R/C CA-10 HOSIDEN                    | S AS      | AW      |
|                               | QCNW-2808BMZZ | WIRE (WA) 2 WAYS                     | S AA      | **      |
| FB 1                          | RCORF0002BMZZ | FERRITE CORE TFC-16816EX             | S AF      | AK      |
| L 5                           | QCNW-2861BMZZ | WIRE WROUND DOUBLE AISOLATION        | S AA      | **      |
| L 6                           | QCNW-2861BMZZ | WIRE WROUND DOUBLE AISOLATION        | S AA      | **      |
|                               | RSP-Z0096CEZZ | WOOFER SPEAKER BOX FOSTER            | S AT      | BD      |
|                               | VSP1206PB437A | SPEAKER 7 OHM 12W DAIWA              | S AE      | AP      |
|                               | LCHSM1011BMZZ | CHASSIS FRAME                        | S AD      | **      |
| △                             | QCNW-2745BMZZ | MAT WIRE OREGA 100463.20             | S AC      | **      |
| <b>CABINET PARTS</b>          |               |                                      |           |         |
| 1                             | CCABA1298BMV0 | CABINET SET 72GF66E                  | S BB      | BR      |
| 1.1                           | GDORF1058BMSA | DOOR                                 | S AA      | AE      |
| 1.2                           | PKAI-1083BM00 | DOOR LATCH                           | S AC      | AF      |
| 1.3                           | HBDGB3510BMSA | BADGE SHARP                          | S AC      | AK      |
| 1.4                           | HDECQ0053BMSA | LED DECORATION                       | S AA      | AC      |
| 1.5                           | HDECQ0054BMSA | R/C DECORATION                       | S AA      | AC      |
| 1.6                           | JBTN-1064BMSA | UP/DOWN BUTTON                       | S AA      | AD      |
| 1.7                           | JBTN-1063BMSA | POWER BUTTON                         | S AA      | AC      |
| 1.8                           | HINDP5110BMSA | INDICATOR                            | S AA      | **      |
| △ 2                           | GCABB1114BMKA | REAR CABINET 72GF68E                 | S AW      | **      |
| 3                             | XTASB40P20000 | REAR CABINET SCREWS                  | S AA      | AA      |
| 4                             | XTBSB30P13000 | AV SCREWS                            | S AA      | AA      |
| <b>OWNERS MANUAL</b>          |               |                                      |           |         |
|                               | TINS-6945BMN0 | OWNERS MANUAL 72GF66EDE              | S AE      | AN      |
|                               | TINS-6876BMN0 | OWNERS MANUAL 72GF66EES              | S AE      | AP      |
|                               | TINS-6882BMN0 | OWNERS MANUAL 72GF66EIT              | S AE      | **      |
|                               | TINS-6944BMN0 | OWNERS MANUAL 72GF66ECH              | S AB      | **      |





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